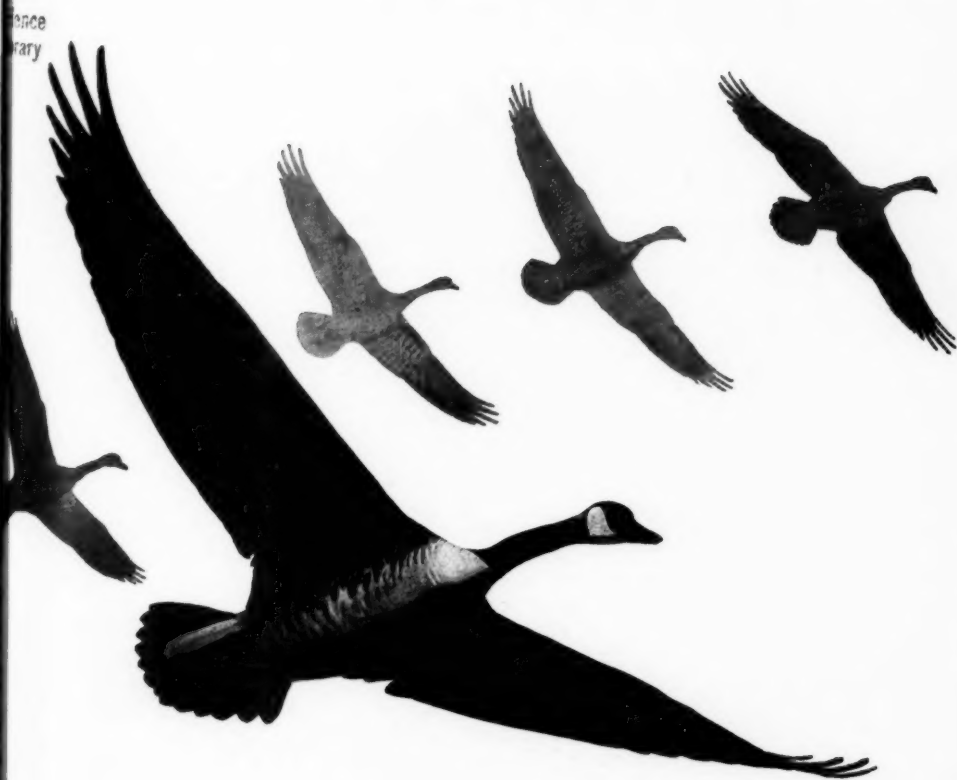


199

AUDUBON MAGAZINE

Forty-first Christmas Bird Census



Formerly BIRD-LORE

SUPPLEMENT TO AUDUBON MAGAZINE

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Audubon Magazine's Forty-first Christmas Bird Census

THE recreational value provided those who participate in the annual Christmas bird census sponsored by this magazine has never been disputed; other persons have probably taken part solely because of the spirit of competition it offered; a recent article has demonstrated that these censuses have made a definite contribution to science over the forty-one consecutive years they have been taken. Was it only through inherent sense of rivalry, or was it conviction that they were making a scientific contribution of future value that drove more than 2200 different persons into the field between the dates of December 22 and 29 to count and tabulate a total of more than two million individual birds from every state except New Mexico? It hardly seems possible that recreational benefits could have been foremost this last year.

The weather over most of the country during the census period was anything but favorable. Census after census—more than 75 per cent in fact—describes exceedingly adverse conditions for observing birds: dense fog, rain varying from a drizzle to heavy down-pour, snow, and visibility that made identifications difficult to impossible. We had every reason to anticipate fewer censuses this year, but they came pouring in, 327 strong, to shatter all previous records. What more abundant evidence could be offered as testimony of the popularity of these censuses?

Realizing that the magazine's budget could not much longer stand the cost of printing an additional 50 or so censuses every year, we ventured to make an appeal for a ten-cent contribution from each individual census participant toward defraying printing costs. It is

gratifying to report that voluntary contributions amounted to \$130. This represents a contribution of ten cents or more from a little more than half the census takers, the potential total being somewhat reduced by some groups having interpreted the appeal as asking for ten cents per census rather than ten cents from each individual taking part in it. Small as this is compared to the total expense involved, it has enabled us to print a more representative list of censuses than ever before.

Honors for the highest number of species and subspecies reported on a single census again go to the group from Harlingen, Texas, with their list of 132. Runners-up from six other states, with totals over 100, are: San Diego, Calif., 128; Los Angeles, Calif., 126; Merritt's Island, Fla., 126; Charleston, S. C., 118; Sanford, Fla., 114; Marin County, Calif., 112; Cape May, N. J., 109; Western Long Island, N. Y., 106; Monterey Peninsula, Calif., 105; Santa Catalina Mts., Ariz., 102; St. Petersburg, Fla., 101.

It has been suggested, and rightly so we believe, that these reports are not censuses in the true sense of the word, and that they should be more properly known as Christmas bird 'counts.' A census implies thorough coverage of a given area for all forms present therein. Such complete coverage cannot possibly be obtained during the course of one day, and is therefore bound to be more or less superficial. It must include both winter residents and transients on an equal basis as well as numbers that may fluctuate from day to day. We wonder whether it is advisable to avoid further misuse of the word 'census' and to substitute 'count' or some other word in its place.

FORTY-FIRST CHRISTMAS BIRD CENSUS

St. Anthony, Newfoundland.—Dec. 1 [last date before mail steamer left—Ed.]; 8 A.M. to 2:30 P.M. Overcast; snow flurries, with 1 to 2 feet of snow on ground; wind light, northeast; temp. 28° at start. Two parties, each covering about 5 miles on skis. Old-squaw, 1; Eider (American or Northern?), 8; Glaucous Gull, 1; Great Black-backed Gull, 1; Ivory Gull, 1 [no further details—Ed.]; Atlantic Murre, 1; Dovekie, 17; Black Guillemot, 12; Northern Raven, 2; Black-capped Chickadee, 22; Acadian Chickadee, 1. **Total**, 11 species; 67 individuals.—MARGARET MONKLEY, EDWARD SLADE, DR. EVARTS G. LOOMIS.

Hudson and Hudson Heights, Que. (Whitlock Bird Sanctuary and vicinity).—Dec. 22; 10 A.M. to 5:30 P.M. Cloudy with snow flurries, clearing in afternoon; 1-ft. snow; almost windless; temp. 22° at 10 A.M. Ten observers in groups, on foot, on skis and by car. Ruffed Grouse, 7; Hairy Woodpecker, 6; Downy Woodpecker, 25; Blue Jay, 61; Chickadee, 178; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 2; Cedar Waxwing, 9; Starling, 66; English Sparrow, 15; Common Redpoll, 105; Snow Bunting, 16; Goldfinch, 5; Tree Sparrow, 1. **Total**, 14 species; 522 individuals.—MRS. R. L. PUXLEY, P. B. BUCKLEY, A. CLARKE, MR. and MRS. E. D. CROLL, D. MULLAN, A. MULLAN, A. BLENKINSHIP, B. LANCEY, G. G. OMMANNEY.

Montreal, Que. (Mount Royal, Westmount, Cote St. Luc, Back River, St. Lawrence River and South Shore from Caughnawaga to Longueuil).—Dec. 22; 9 A.M. to 5:30 P.M. (D. S. T.). Sky overcast, snowing heavily till 11 A.M., then clearing; 8-in. snow on ground; temp. 24° at start, 26° at finish. Fifteen observers in 7 groups as follows: party I, 2 observers, 3 hours, 30 miles by car; party II, 4 observers, 6 hours, 9 miles by boat and on foot; party III, 3 observers, 4 hours, 8 miles on foot; party IV, 1 observer, 3 hours, 7 miles on skis; party V, 2 observers, 4 hours, 6 miles on foot; party VI, 2 observers, 6 hours, 10 miles on skis; party VII, 1 observer, 3 hours, 10 miles by car and on foot. **Total** miles afoot 16, on skis 17, by boat 8, by car 39; total hours afield, 29. American Golden-eye, 471; American Merganser, 15; Goshawk, 1; Sparrow Hawk, 1; [Iceland] Gull, 1 (identified at 50 feet by Wynne-Edwards, possibly a Glaucous Gull); Herring Gull, 12; Great Horned Owl, 1; Northern Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 14; Crow, 2; Black-capped Chickadee, 7; White-breasted Nuthatch, 12; Brown Creeper, 3; Cedar Waxwing, 5; Northern Shrike, 1; Starling, 1120 (est.); English Sparrow, 1106 (est.); Red-wing, 1; Pine Grosbeak, 33; Common Redpoll, 49; Slate-colored Junco, 2. **Total**, 22 species; approximately 2864 individuals. Snowy Owl, Ring-necked Pheasant seen previous day.—R. S. and P. C. ABBOTT, W. BROWN, J. D. CLEGHORN, J. A. DECARIE, J. D. FRY, B. GOLLOP, C. E. HALL, S. McFARLANE, E. MUNROE, D. RYAN, D. M. SCOTT, L. M. and E. E. TERRILL, V. C. WYNNE-EDWARDS (Province of Quebec Society for the Protection of Birds).

Cobourg, Ont. (from Pratt's Pond, a small wildlife sanctuary 1 mile north of Cobourg, northeast 5 miles to Baltimore through cedar woods

along creek, returning through hardwoods and open fields).—Dec. 23; 9:30 A.M. to 5:30 P.M. Clear; ground partially covered with 2-in. snow; wind very light, northeast; temp. 20° at start, 23° at finish. Pratt's Pond frozen over; creek partly so. One observer. **Total** miles afoot, 9; total hours afoot, 8. American Merganser, 3; Ruffed Grouse, 14; Pheasant, 2; Herring Gull, 3; Screech Owl, 1; Barred Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 4; Black-capped Chickadee, 27; White-breasted Nuthatch, 1; Brown Creeper, 7; Golden-crowned Kinglet, 1; English Sparrow, 4; Cardinal, 1; Purple Finch, 2; Pine Grosbeak, 5; Common Redpoll, 50 (est.); Pine Siskin, 2; Goldfinch, 5; Red Crossbill, 9; White-winged Crossbill, 3; Song Sparrow, 1. **Total**, 23 species; approximately 149 individuals.—ALEC LUCAS.

Hamilton, Ont. (Dundas Valley west to Ancaster, Hamilton and Harbor, Stoney Creek, Aldershot, Lake Medad, Burlington, Bronte).—Dec. 22; 9 A.M. to 6:30 P.M. (E.D.S.T.). Overcast; ground soggy, harbor open; wind light, southwest; temp. 36° to 42°. Twenty-four observers working in ten parties and at four separate feeding stations. **Total** party hours afield, 67; total party miles afoot, 130. Common Loon, 2; Horned Grebe, 4; Great Blue Heron, 4; Mallard, 10; Black Duck, 273; Baldpate, 1; Pintail, 2; Blue-winged Teal, 1 (Ken Hannigan) [no further details—Ed.]; Greater Scaup, 510; Lesser Scaup, 1; American Golden-eye, 442; Buffle-head, 14; Old-squaw, 5; White-winged Scoter, 6; Surf Scoter, 1 (G. W. N.); American Merganser, 840; Red-breasted Merganser, 45; Goshawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 33; European Partridge, 51; Pheasant, 166; Coot, 1; Black-backed Gull, 98; Herring Gull, 5100 (est.); Ring-billed Gull, 57; Bonaparte's Gull, 34; Screech Owl, 2; Great Horned Owl, 4; Long-eared Owl, 1; Kingfisher, 2; Flicker, 6; Hairy Woodpecker, 14; Downy Woodpecker, 55; Phoebe, 1 (Bob Elstone); Blue Jay, 43; Crow, 15; Chickadee, 123; White-breasted Nuthatch, 39; Brown Creeper, 18; Robin, 1; Golden-crowned Kinglet, 15; Cedar Waxwing, 71; Starling, 1103; English Sparrow, 1331; Cowbird, 3; Cardinal, 29; Purple Finch, 7; Common Redpoll, 238; Pine Siskin, 6; Goldfinch, 127; Junco, 189; Tree Sparrow, 372; Swamp Sparrow, 2; Song Sparrow, 43; Snow Bunting, 37. **Total**, 59 species; approximately 11,607 individuals.—DON, NEIL, and R. D. F. BOURNE, F. H. BUTCHER, JACK and BILL CAMPBELL, BOB ELSTONE, MRS. J. G. FARMER, KEN HANNIGAN, DON HASSELL, OLIVER HEWITT, H. E. KETTLE, MISS J. MAGEE, E. MALCOLM, JACK MARTIN, MRS. J. P. MORTON, DR. and MRS. G. O. McMILLAN, G. W. NORTH, BLAIR RONALD, G. SACKRIDER, MISS L. STEWART, BILL WALKER, J. H. WILLIAMS (members Hamilton Bird Protection Society, Inc.).

London, Ont. (valley of Thames River, one or two spruce swamps and 5 private feeding stations).—Dec. 26; 8 A.M. to 4 P.M. Sky overcast, light drizzle turning to heavy fog about 11 A.M.; no wind; ground practically free of snow; temp. about 44° all day. Twenty-eight observers in

AUDUBON MAGAZINE

14 parties mostly out in the morning only. Total party hours afoot, 56 (all afoot); total party miles, 50 (all afoot). Great Blue Heron, 2; Black Duck, 2; American Golden-eye, 36; American Merganser, 42; Cooper's Hawk, 1; Red-tailed Hawk, 4; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 8; Ring-necked Pheasant, 23; Herring Gull, 53; Ring-billed Gull, 3; Mourning Dove, 1; Screech Owl, 1; Great Horned Owl, 4; Belted Kingfisher, 8; Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 42; Blue Jay, 47; Crow, 47; Black-capped Chickadee, 157; White-breasted Nuthatch, 36; Brown Creeper, 6; Winter Wren, 1; Robin, 1; Golden-crowned Kinglet, 20; Cedar Waxwing, 2; Starling, 40; English Sparrow, 46; Cardinal, 48; Purple Finch, 1; Common Redpoll, 160; Pine Siskin, 157; Goldfinch, 45; Slate-colored Junco, 38; Tree Sparrow, 66; Song Sparrow, 3. **Total, 39 species; 1158 individuals.** Seen recently: Rough-legged Hawk, Snowy Owl, White-winged Crossbill, Towhee.—Mrs. BIGELOW, R. BROWN, D. CARR, D. CHRISTIE, DR. G. CUMMINGS, ELI. DAVIS, K. FETHERSTON, M. FETHERSTON, H. GIRLING, R. HEDLEY, J. HIGGINS, W. JARMAN, V. LOTT, H. MACMAHON, C. MADDEFORD, L. MARSH, E. H. MCKONE, J. C. MIDDLETON, MRS. MORRIS, W. MORRIS, DR. W. E. SAUNDERS, D. SUTTON, P. SUTTON, MRS. THEODIE, W. THOMPSON, R. WESTCOTT, J. WRIGHT, R. STANDFIELD (McIlwraith Ornithological Club).

Ottawa, Ont. (radially about city).—Dec. 22; 7:30 A.M. to 4:15 P.M. Cloudiness 100 per cent; 10-in. crusted snow; calm; temp. 33° at 9 A.M., practically no change all day. Observers in parties as follows: party I, 1 observer, 8½ hours, 8 miles; party II, 1 observer, 1½ hours, 3½ miles; party III, 1 observer, 6 hours, 8 miles; party IV, 2 observers, 5 hours, 7 miles; party V, 1 observer, 5½ hours, 7 miles; party VI, 1 observer, 8 hours, 10 miles; party VII, 3 observers, 7 hours, 9 miles. Total miles afoot, 52½; total hours, 42. American Golden-eye, 87; American Merganser, 9; Sparrow Hawk, 1; Ruffed Grouse, 4; Pheasant, 1; Herring Gull, 1; Rock Dove, 22; Hairy Woodpecker, 6; Downy Woodpecker, 15; Blue Jay, 9; Crow, 5; Black-capped Chickadee, 49; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 1; Starling, 730; English Sparrow, 756; Common Redpoll, 55; Pine Siskin, 20; Goldfinch, 129. **Total, 21 species; 1927 individuals.**—R. M. ANDERSON, F. E. BANIM, R. F. CLARKE, R. E. DELURY, B. A. FAUVEL, T. S. HENNESSY, C. E. JOHNSON, W. H. LANCELEY, HARRISON F. LEWIS, HOYES LLOYD (Ottawa Field-Naturalists' Club).

Pakenham (Lanark Co.), Ont.—Dec. 24; 8 A.M. to 12:15 P.M.; 1 P.M. to 3:30 P.M. Fair, bright sunshine; no wind; 10-in. snow; temp. 8° at start, 25° at return. Observers separate, 2 working in the morning, and 2 in afternoon. Total miles afoot, 15. American Golden-eye, 3; Ruffed Grouse, 11; Hairy Woodpecker, 5; Downy Woodpecker, 3; Arctic Three-toed Woodpecker, 1; Blue Jay, 10; Black-capped Chickadee, 16; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 2; Starling, 11; Pine Grosbeak, 5; Common Redpoll, 3; Pine Siskin, 2;

White-winged Crossbill, 12. **Total, 15 species; 93 individuals.**—E. G. ROSS, ALLAN F. ROSS, WILMER ROSS.

Simcoe, Ont. (Lynn Valley, Port Dover and Long Point).—Dec. 22; 9 A.M. to 5:30 P.M. Overcast; light snowfall and rain in morning; slight west wind; 38° at start, 40° at return. Five observers working in 4 parties, 2 parties by foot and 2 by car. Total hours afield, 34; total miles by car, 40; total miles afoot, 8. Mallard, 2; Shoveller, 1 (J. McNally—studied for half an hour with a 40X telescope, large spoon bill and red sides noted); American Golden-eye, 40; Buffle-head, 1 (J. McNally); Hooded Merganser, 1; American Merganser, 14; Red-breasted Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 5; Herring Gull, 88; Ring-billed Gull, 4; Bonaparte's Gull, 20; Horned Owl, 1; Belted Kingfisher, 3; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 7; Black-capped Chickadee, 20; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 2; Cedar Waxwing, 18; Starling, 47; English Sparrow, 83; Cardinal, 3; Redpoll, 2; Goldfinch, 13; Slate-colored Junco, 30; Tree Sparrow, 116; Song Sparrow, 10. **Total, 36 species; 551 individuals.**—MONROE LANDON, ARTHUR PRESTON, HARRY B. BARRETT, MRS. J. MCNALLY and JACK MCNALLY (members J. W. Crow Nature Club of Simcoe).

Bar Harbor, Maine (Mount Desert Island).—Dec. 26; 8 A.M. to 4 P.M. Fair; no wind; sea smooth, high tide at 8:02 A.M.; temp. 35° at start, 38° at return. Three observers in 2 parties. Total party hours, 64; total party miles, 125 (120 by car, 5 afoot). Common Loon, 3; Red-throated Loon, 6; Holboell's Grebe, 1; Horned Grebe, 12; Cormorant, 15; Black Duck, 21; Green-winged Teal, 10 (studied at 60–80 yards with 20X telescope by Gay and Sullivan; light patches in front of wings and on under tail-coverts were quite conspicuous); Scaup, 5; American Golden-eye, 2000; Barrow's Golden-eye, 2; Buffle-head, 200; Old-squaw, 2000; American Eider, 800; White-winged Scoter, 1900; Surf Scoter, 23; American Scoter, 15; American Merganser, 3; Bald Eagle, 2; Ruffed Grouse, 1; Great Black-backed Gull, 1; Herring Gull, 100; Black Guillemot, 10; Rock Dove, 20; Hairy Woodpecker, 1; Downy Woodpecker, 6; Raven, 2; Crow, 74; Black-capped Chickadee, 80; Red-breasted Nuthatch, 11; Robin, 2; Golden-crowned Kinglet, 4; Shrike, 1; Starling, 23; English Sparrow, 2; Pine Grosbeak, 5; Pine Siskin, 18; Goldfinch, 2; Red Crossbill, 12; White-winged Crossbill, 50; Junco, 9; Chipping Sparrow, 1 [no details—Ed.]; Song Sparrow, 1. **Total, 42 species; 7445 individuals (Ducks estimated).**—CHARLES GAY, PAUL FAVOUR, JR., MAURICE SULLIVAN, Park Naturalist, Acadia National Park.

Danforth, Maine (evergreen and hardwood woods and along graveled highways).—Dec. 27; 7:15 A.M. to 5 P.M. Overcast; 8-in. snow; no wind; temp. 30° at start, 35° at return. Observers together. Total hours, 9; total miles, 57 (9 afoot, 48 by car). Ruffed Grouse, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 2; Canada Jay, 2;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Blue Jay, 17; Raven, 1; Crow, 11; Black-capped Chickadee, 150+; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 8; Starling, 25; English Sparrow, 30+; Purple Finch, 15; Pine Grosbeak, 25; Redpoll, 12; Pine Siskin, 5; Goldfinch, 13; White-winged Crossbill, 25; Song Sparrow, 3. Total, 19 species; approximately 340 individuals.

—LEWIS HUFF, EVA HUFF FIFIELD, MARJORIE LEE.
Monhegan Island, Maine (entire island covered).—Dec. 29; 9.30 A.M. to 4.45 P.M. Overcast; no snow on ground; wind light, east; temp. 39° at start, 41° at return; raining. Total miles on foot, 2½ over length of island, and 1 mile over width. Observer alone. Common Loon, 1; European Cormorant, 1; Great Blue Heron, 1; Black Duck, 8; Old-squaw, 28; American Merganser, 6; Red-breasted Merganser, 3; Great Black-backed Gull, 27; Herring Gull, 200 (est.); Dovekie, 20; Northern Raven, 2; Crow, 30; Fish Crow, 3; Chickadee, 15; Robin, 5; Northern Shrike, 1; Grackle, 5; Pine Grosbeak, 75; Pine Siskin, 25; Goldfinch, 15; Slate-colored Junco, 7; Song Sparrow, 3; Snow Bunting, 3. Total, 23 species; approximately 484 individuals.—J. A. TOWNSEND.

Waterville, Maine (mostly evergreen forest and fields).—Dec. 26; 7 A.M. to 4.30 P.M. Overcast; no wind; temp. 10° at start, 32° at return. Four observers in 3 parties. Total party hours afield, 27 (26 afoot, 1 by car); total party miles, 50 (28 by car, 22 afoot). American Golden-eye, 30; American Merganser, 10; Ruffed Grouse, 1; Herring Gull, 4; Blue Jay, 3; Black-capped Chickadee, 98; Mockingbird, 1; Golden-crowned Kinglet, 6; Starling, 32; English Sparrow, 30; Pine Grosbeak, 1; Redpoll, 170; Goldfinch, 2; White-winged Crossbill, 95; Tree Sparrow, 1. Total, 15 species; 384 individuals.—MARK LIBBY, HAROLD FROST, ROBERT BESSEY, WESLEY PERKINS.

Jefferson, N. H. (a portion of the Israel River valley and the woods and open pastures around the bases of the mountains in the Pliny Range, elevation from 1100 to 1800 feet).—Dec. 26; 8.30 A.M. to 4 P.M. Partly cloudy, but with much warm sunshine; no wind; 6-in. crusted snow; temp. 14° at start, 36° at return. Observer alone on snowshoes, covering about 10 miles on same route as last year. Ruffed Grouse, 7; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 5; Black-capped Chickadee, 70; Red-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 20; Pine Grosbeak, 5; Redpoll, 14; Snow Bunting, 25. Total, 12 species; 157 individuals.—DONALD J. LENNOX.

Mount Monadnock, Dublin, N. H. (conifer and birch woodlands, fields and swamps within a 7-mile radius of Dublin).—Dec. 24; 8.30 A.M. to 12 M.; 1 P.M. to 5 P.M. Clear; no wind; temp. 45°. One observer, covering 4 miles on foot, 20 miles by automobile. Total hours afield, 7½ (4 afoot, 3½ by car). Ruffed Grouse, 1; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 12; Black-capped Chickadee, 21; Brown Creeper, 1; Golden-crowned Kinglet, 3; Northern Shrike, 2; Starling, 13; English Sparrow, 10; Pine Grosbeak, 2; White-winged Crossbill, 27. Total, 14 species; 96 individuals.—JACKSON MILES ABBOTT.

Bennington, Vt. (various feeding stations in Old Bennington, meadows, pastures, woods, thickets, along streams, and around ponds—all around Bennington village).—Dec. 22; 8 A.M. to 4.30 P.M. Heavily overcast with low-lying clouds; ground bare, except in the woods, where there were 3 inches of snow; no wind; temp. 36° at start, 36° at finish. Three observers working in 3 parties in A.M., all together in P.M. Total party hours afield, 15 (10 afoot, 5 by auto); total party miles, 42 (12 afoot, 30 by auto). Black Duck, 21; American Merganser, 5; Ruffed Grouse, 4; Herring Gull, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 26; Crow, 2; Black-capped Chickadee, 15; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 30; Starling, 500+; English Sparrow, 75+; Pine Grosbeak, 2; Goldfinch, 1; Tree Sparrow, 92. Total, 19 species; about 787 individuals.—LUCRETIOUS H. ROSS, SALOME BIXBY ROSS, HARRY RIDLON.

Tinmouth, Vt. (sugar maple groves, wooded hillsides of spruce, beech and scattered ash).—Dec. 25; 9 A.M. to 3 P.M. Clear; slight wind from southwest; temp. 28° at start, 40° at return. Two observers working as 1 party. Total party hours afield, 12 afoot; total party miles, 10 afoot. Ruffed Grouse, 1; Downy Woodpecker, 19; Blue Jay, 6; Crow, 1; Chickadee, 26; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 9; Starling, 26; Pine Grosbeak, 1; White-winged Crossbill, 2. Total, 12 species; 84 individuals.—H. L. POTTER, F. H. WINSLOW.

Wells River, Vt. (north, west and south of Wells River including portions of the Connecticut and Wells River valleys with enclosing ranges of hills; altitudes ranging from 400 to 1200 feet).—Dec. 23; 10 A.M. to 5 P.M. Clear except for scattered light clouds during morning; snow varying in depth from 4 to 9 inches; moderate northwest wind diminishing; temp. 21° at start, 16° at finish. Observer covered 11 miles on foot. American Golden-eye, 8; American Merganser, 5; Ruffed Grouse, 10; Ring-necked Pheasant, 1; Hairy Woodpecker, 2; Blue Jay, 2; Black-capped Chickadee, 98 (17 flocks); White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 17 (3 flocks); Starling, 12; Purple Finch, 1; Common Redpoll, 8; Pine Siskin, 15; White-winged Crossbill, 13; Tree Sparrow, 6. Total, 17 species; 205 individuals. Great Horned and Barred Owls, Pileated and Downy Woodpeckers and Goldfinch have been seen within a week.—WENDELL P. SMITH.

Belmont and Fresh Pond (Cambridge), Mass.—Dec. 28; 7 A.M. to 4.30 P.M. Rain all day; ground bare; ponds open; wind northeast, 5 to 10 m.p.h.; temp. 40° to 43° to 40°. Observers in pairs in an area with a 4-mile diameter. Total party hours afoot, 23; total party miles afoot, 25. Black Duck, 61; Canvas-back, 1; American Golden-eye, 47; American Merganser, 159; Ruffed Grouse, 1; Pheasant, 13; Black-backed Gull, 3; Herring Gull, 850; Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 28; Crow, 12;

AUDUBON MAGAZINE

Chickadee, 84; White-breasted Nuthatch, 3; Brown Creeper, 6; Golden-crowned Kinglet, 68; Starling, 200 (est.); English Sparrow, 140; Pine Siskin, 1; Goldfinch, 89; Junco, 48; Tree Sparrow, 120; White-throated Sparrow, 7; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 44. **Total**, 27 species; approximately 1996 individuals. The following species noted during the week but could not be located in the rain on census day: Black-crowned Night Heron, Sparrow Hawk, Glaucous Gull, Kingfisher, Robin, Cedar Waxwing, Purple Finch, and Redpoll.—EDWIN G. DAVIS, MRS. GEORGE DREW, MRS. RICHARD FOSTER, NORMAN P. HILL, FRANCIS S. JONES, NATHANIEL C. NASH, IV, CLINTON A. REYNOLDS, CHANDLER S. ROBBINS, ROBERT SMOLKERN, LOUIS VOGEL (Belmont Bird Club).

Brockton, Mass. (Brockton Audubon Society Sanctuary and D. W. Field Park).—Dec. 26; 9 A.M. to 3 P.M. Cloudy with fog in A.M., wind, light east in P.M.; temp. 42° at start, 50° at close. Observers together, covering 5 miles on foot. Black Duck, 2; American Merganser, 2; Downy Woodpecker, 1; Blue Jay, 1; Crow, 2; Black-capped Chickadee, 15; White-breasted Nuthatch, 1; Cedar Waxwing, 24; Starling, 4; English Sparrow, 30; Purple Finch, 12; Goldfinch, 50; Junco, 12; Tree Sparrow, 6; Song Sparrow, 2. **Total**, 15 species; approximately 164 individuals.—CHARLES M. CRAIN, DAVID M. KEAY.

Cohasset and North Scituate Beach, Mass. (woodland, fields and seacoast).—Dec. 25; 8.30 A.M. to 4 P.M. Fair; ground bare; wind south, very light; temp. 32° at start, 52° at return. Observers together. Six miles on foot, 10 miles in car. Common Loon, 4; Red-throated Loon, 2; European Cormorant, 2; Black Duck, 2; Golden-eye, 32; Surf Scoter, 3; American Scoter, 3; Red-breasted Merganser, 11; Purple Sandpiper, 26; Black-backed Gull, 7; Herring Gull, 148; Kingfisher, 2; Flicker, 4; Downy Woodpecker, 1; Blue Jay, 7; Crow, 16; Chickadee, 54; White-breasted Nuthatch, 2; Robin, 6; Golden-crowned Kinglet, 11; Cedar Waxwing, 88; Starling, 48; Myrtle Warbler, 22; English Sparrow, 12; Purple Finch, 1; Goldfinch, 30; Junco, 14; Tree Sparrow, 19; Song Sparrow, 3. **Total**, 29 species; 580 individuals.—HENRY ENDICOTT, LAURENCE B. FLETCHER, CHARLES B. FLOYD, DR. JOHN B. MAY, WINBOR M. TYLER.

Great Barrington and Sheffield, Mass. (from feeding stations on west side of Great Barrington, to Egremont, to South Egremont to the Cobble at Ashley Falls, where group divided, one going up stream and the other down; back to Great Barrington with several stops on the way).—Dec. 26; 7 A.M. to 4.30 P.M. Clear but hazy in A.M., cloudy and dark in P.M., with rain starting to fall just after dark; very slight south wind; practically no snow in fields, up to 3 in. in woods; still water frozen but river entirely open, some open water in swamps; temp. 24° at start, over 50° at noon, to 40° at dusk. Seven observers. Total party hours afield, 13½ (10½ afoot, 3 in car); total party miles, 55 (42 by car, 13 on foot). Black Duck, 12+; American Merganser, 8; Cooper's Hawk, 1 (Bailey, Varney, Rinsma); Ruffed Grouse, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1;

Blue Jay, 1; Crow, 18; Black-capped Chickadee, 21; White-breasted Nuthatch, 2; Golden-crowned Kinglet, 2-4; Northern Shrike, 1; Starling, 7; English Sparrow, 14; Slate-colored Junco, 1; Tree Sparrow, 42; Song Sparrow, 1 (Mrs. Pell, Varney, Hendricks). **Total**, 17 species; approximately 135 individuals. The Cooper's Hawk flew directly in front of car and alighted in tree not 60 feet away where it was watched with 8X glasses. Siskins seen frequently, not found on census day; a Snowy Owl seen in Lanesboro Dec. 23 by Hendricks; a Mockingbird seen daily in Pittsfield since mid-November.—S. WALDO BAILEY, MR. and MRS. BARTLETT HENDRICKS, MR. and MRS. S. MORRIS PELL, MRS. MARGARET D. RINSMA, EUGENE VARNY (Hoffmann Bird Club).

Holyoke, Mass. (southern end of Mt. Tom to Connecticut state line).—Dec. 28; 6 A.M. to 5 P.M. Cloudy and foggy; moderate to heavy rain all day. Ground largely bare; Connecticut River open; ponds frozen; wind slight, north; temp. 39° at start, 40° at return. Fourteen observers working in 4 parties. Total party hours afield, 32 (2 afoot, 30 by car); total party miles, 256 (6 afoot, 250 by car). Red-legged Black Duck, 245; Common Black Duck, 6; American Golden-eye, 19; American Merganser, 41; Red-tailed Hawk, 1; Sparrow Hawk, 2; Herring Gull, 22; Screech Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 8; Blue Jay, 9; Crow, 44; Black-capped Chickadee, 72; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 14; Cedar Waxwing, 40 (2 flocks); Northern Shrike, 1; Starling, 117; English Sparrow, 128; Pine Siskin, 20; Goldfinch, 40 (these and the Siskins in 1 flock); Slate-colored Junco, 43; Tree Sparrow, 142; Swamp Sparrow, 1; Song Sparrow, 9. **Total**, 28 species; 1042 individuals.—A. C. BAGG, A. M. BAGG, E. P. BAGG, III, HELEN M. BAGG, JOHN H. CONKEY, EDWARD COTTON, MRS. W. C. CROUS, ALMA DOANE, RICHARD ELDRID, JAY MADEIRA, A. B. MITCHELL, R. C. SHERWOOD, FANNY A. STEBBINS, ATWOOD WEEKS.

Martha's Vineyard, Mass. (center of the island, including Vineyard Haven village, Squibnocket, and Edgartown Great Pond).—Dec. 22; 7 A.M. to 4.30 P.M. Overcast, becoming rainy; light northwest wind, shifting to southwest; temp. about 45°; ponds open; ground bare. Three parties in cars, driving about 40 miles each, walking 3 or 4 miles; 15 observers all told. Total party miles, 130 (est.); total party hours, 28½. Common Loon, 56; Pacific Loon, 1 (Griscom, Hinchman and others); Red-throated Loon, 15; Horned Grebe, 18; Gannet, 1; European Cormorant, 6; Great Blue Heron, 7; Canada Goose, 563; Mallard, 1; Black Duck, 740; European Widgeon, 4; Baldpate, 1110; Pintail, 4; Shoveller, 1; Redhead, 76; Ring-necked Duck, 9; Canvas-back, 103; Greater Scaup, 2630; Lesser Scaup, 46; American Golden-eye, 315; Buffle-head, 12; Old-squaw, 120; Harlequin Duck, 25; American Eider, 355; White-winged Scoter, 900; Surf Scoter, 20; American Scoter, 290; Ruddy Duck, 3; Hooded Merganser, 5; American Merganser, 125; Red-breasted Merganser, 270; Red-tailed Hawk, 11; Rough-legged Hawk, 4;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Marsh Hawk, 8; Sparrow Hawk, 2; Bob-white, 10; Coot, 93; Wilson's Snipe, 1; Knot, 3; Red-backed Sandpiper, 1; Sanderling, 2; Great Black-backed Gull, 86; Herring Gull, 712; Ring-billed Gull, 4; Bonaparte's Gull, 8; Dovekie, 38; Short-eared Owl, 1; Belted Kingfisher, 1; Flicker, 32; Downy Woodpecker, 5; Northern Horned Lark, 32; Blue Jay, 29; Crow, 145; Chickadee, 155; White-breasted Nuthatch, 8; Brown Creeper, 8; Bluebird, 22; Golden-crowned Kinglet, 23; Migrant Shrike, 1; Starling, 310; Orange-crowned Warbler, 1; Myrtle Warbler, 155; Western Palm Warbler, 1; English Sparrow, 50; Meadowlark, 62; Red-wing, 1; Cowbird, 125; Goldfinch, 135; Ipswich Sparrow, 3; Savannah Sparrow, 25; Vesper Sparrow, 2; Junco, 1; Tree Sparrow, 43; Field Sparrow, 6; White-throated Sparrow, 10; Swamp Sparrow, 3; Song Sparrow, 43; Snow Bunting, 90. **Total, 78 species; 10,612 individuals.** Though the figures given are for a 15-mile circle, the census actually covered the entire island, and included 2 more species: Pied-billed Grebe, 1; Cooper's Hawk, 1; as well as 3604 more individuals of the above-named species.—J. M. ABBOTT, E. A. BERGSTROM, E. G. DAVIS, D. L. GARRISON, L. GRISCOM, S. K. HARRIS, N. P. HILL, R. M. HINCHMAN, F. S. JONES, A. H. MORGAN, H. N. PARKER, C. S. ROBBINS, O. M. ROOT, O. K. SCOTT, R. STACKPOLE.

Newburyport, Mass. (Plum Island and the Newburys south to Topsfield, east to Ipswich Light, west to Groveland and the Merrimac River).—Dec. 29; 6.45 A.M. to 5 P.M. Cloudy, with frequent showers; wind light, northeast; ground bare; temp. about 45° all day. Six main parties. Total party hours in field, about 50; total party miles, 360 (335 by car, 25 afoot). Common Loon, 7; Red-throated Loon, 2; Holboell's Grebe, 4; Horned Grebe, 15; Canada Goose, 1; Mallard, 2; Red-legged Black Duck, 3015; Greater Scaup, 1700 (est.); American Golden-eye, 480; Buffle-head, 9; Old-squaw, 327; American Eider, 11; White-winged Scoter, 75; American Scoter, 5; American Merganser, 14; Red-breasted Merganser, 183; Cooper's Hawk, 1; Red-tailed Hawk, 3; Duck Hawk, 1; Sparrow Hawk, 5; Bald Eagle, 3; Ruffed Grouse, 8; Pheasant, 9; Purple Sandpiper, 3; Glaucous Gull, 1; Iceland Gull, 1; Black-backed Gull, 29; Herring Gull, 1240 (est.); Ring-billed Gull, 9; Black-headed Gull, 1 (*L. r. ridibundus*, all observers are familiar with this bird which has been present in Newburyport since Oct. 27 of this year, as well as other years); Bonaparte's Gull, 126; Kittiwake, 1 (Taber, Eaton); Rock Dove, 6; Great Horned Owl, 1; Flicker, 33; Hairy Woodpecker, 1; Downy Woodpecker, 7; Northern Horned Lark, 148; Blue Jay, 86; Crow, 422; Chickadee, 355; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 5; Brown Creeper, 2; Robin, 39; Golden-crowned Kinglet, 68; Cedar Waxwing, 82; Northern Shrike, 5; Starling, 1955; Myrtle Warbler, 36; English Sparrow, 189; Meadowlark, 7; Cowbird, 1 (Griscom); Red-wing, 4 (Emilio); Purple Finch, 16; Redpoll, 70; Pine Siskin, 3; Goldfinch, 133; Junco, 64; Tree Sparrow, 416; Swamp Sparrow, 1; Song Sparrow, 19; Lapland Longspur, 5; Snow Bunting, 1. **Total, 64 species;**

approximately 11,519 individuals.—D. C. ALEXANDER, E. M. BATCHELDER, L. BATCHELDER, R. BATCHELDER, F. BROWN, JR., F. R. BURRILL, G. M. COBB, E. G. DAVIS, E. S. DODGE, J. J. DOYLE, R. J. EATON, S. A. ELIOT, JR., T. L. ELIOT, S. G. EMILIO, MR. and MRS. M. E. FOSTER, MRS. E. P. FOYE, D. L. GARRISON, R. E. GILES, L. GRISCOM, R. HENRY, F. S. JONES, J. LAWSON, R. LAWSON, MR. and MRS. C. R. MASON, N. NASH, IV, H. M. PARKER, C. S. ROBBINS, O. M. ROOT, I. ROSE, B. SHREVE, G. TEEL, DR. and MRS. R. TOUSEY, R. STACKPOLE, R. TURNER.

Northampton, Mass.—Dec. 22; 7 A.M. to 4 P.M. Overcast, a shower at noon; much old snow on ground, but south slopes bare; Connecticut River largely open; no wind; temp. 38°. The same circle as in the past six years, covered by 15 observers at or near their homes, and 11 afield, in 8 parties, 6 of them with cars. Total party hours, 40; total party miles afoot, 38. Mallard, 1; Black Duck (apparently all *tristis*), 49; Ring-necked Duck, 1; American Golden-eye, 22; American Merganser, 70; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 9; Ruffed Grouse, 20; Pheasant, 15; Herring Gull, 9; Screech Owl, 2; Flicker, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 30; Northern Horned Lark, 8 (flock); Blue Jay, 77; Crow, 260; Chickadee, 290; White-breasted Nuthatch, 43; Red-breasted Nuthatch, 9; Brown Creeper, 13; Winter Wren, 1; Robin, 1; Bluebird, 2; Golden-crowned Kinglet, 65; Cedar Waxwing, 51 (flock); Northern Shrike, 3; Starling, 540 (est.); English Sparrow, 575 (est.); Meadowlark, 5; Purple Finch, 24; Siskin, 225; Goldfinch, 370; White-winged Crossbill, 25 (flock); Junco, 118; Tree Sparrow, 325; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 29; Snow Bunting, 21 (flock). **Total, 42 species; approximately 3235 individuals.**—MRS. HOWARD ALCORN, JOHN L. BAGG, MILO BUZZEE, LEROY S. COMBS, ISABEL CONNER, E. H. COTTON, JR., MRS. F. M. CUTLER, S. A. ELIOT, JR., DWIGHT and JOHN GRAVES, JAY MADEIRA, ROBERT PEASE, ESTHER J. POLLARD, MARY T. POMEROY, MRS. F. C. PRAY, R. A. RICE, JR., MR. and MRS. D. A. RIEDEL, MR. and MRS. ELMER STAPLES, PHILIP S. THAYER, WALLACE TORREY, MRS. SETH WAKEMAN, ATWOOD WEEKS, MR. and MRS. W. S. WELLES.

Plymouth, Mass.—Dec. 29; 9 A.M. to 3 P.M. Showers, and thick fog after 12.30; wind east, moderate; temp. 41°. Observers together, covering 24 miles by car and 3 afoot. Common Loon, 2; Holboell's Grebe, 2; Black Duck, 1500 (est.); Greater (?) Scaup, 2; American Golden-eye, 232; Old-squaw, 10; White-winged Scoter, 4; Surf Scoter, 2; American Scoter, 8; American Merganser, 5; Red-breasted Merganser, 24; Great Black-backed Gull, 12; Herring Gull, 300 (est.); Bonaparte's Gull, 1; Blue Jay, 1; Crow, 14; Chickadee, 6; Starling, 100 (est.); English Sparrow, 45; Song Sparrow, 1. **Total, 20 species; about 2270 individuals.**—FLOY W. HAUTHAWAY, C. L. HAUTHAWAY, JR., and B. MORTON HAUTHAWAY.

Junction of Massachusetts, Connecticut, and New York (prescribed circle, with Bear Mt., Conn., as center, including portions of South

Egremont and Sheffield, Mass.; Canaan, Salisbury, and Lakeville, Conn.; Millerton and Copake, N. Y.).—Dec. 22; 8 A.M. to 4.30 P.M. Overcast; moderate, melting snow 10 A.M. to 1.30 P.M.; calm to light airs; temp. 36° at start, 34° at return; ground bare except for patches; streams open; ponds frozen, except for lake at Lakeville. Two observers together. Total hours, 8½ (1½ afoot, 7 by car); total miles, 96 (nearly all by car). Common Black Duck, 6; American Merganser, 2; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Pileated Woodpecker, 3 (1 seen, 2 heard); Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 11; Crow, 31; Black-capped Chickadee, 52; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Golden-crowned Kinglet, 6; Cedar Waxwing, 50; Starling, 250; English Sparrow, 125; Pine Siskin, 50; Goldfinch, 90; Slate-colored Junco, 6; Tree Sparrow, 16. **Total**, 21 species; 713 individuals.—A. M. BAGO, A. B. MITCHELL.

Block Island, R. I. (Dickens Point to Kelbeck's Grove by way of the shore, returning inland; south shore to Centre, to Old Harbor, to South Light and return; Clay Head to Sandy Point via east shore, returning via west shore).—Dec. 26; 7.30 A.M. to 2 P.M. Clear; ground bare, unfrozen; calm to light northeast wind; temp. 40° at start, 42° at return. Observers in groups as follows: party I, 6 observers, 6½ hours, 7 miles; party II, 6 observers, 3 hours, 5 miles; party III, 3 observers, 2 hours, 4 miles; party IV, 1 observer, 4 hours, 6 miles. Total miles afoot, 22; total hours afoot, 15½. Loon, 6; Gannet, 32; Cormorant (sp?), 35; Great Blue Heron, 1; Brant, 5; Black Duck, 3; Old-squaw, 3; White-winged Scoter, 62; Red-breasted Merganser, 90; Marsh Hawk, 9; Sparrow Hawk, 2; Pheasant, 6; Purple Sandpiper, 2; Iceland Gull, 1; Black-backed Gull, 25; Herring Gull, 539; Bonaparte's Gull, 4; Razor-billed Auk, 2; Dovekie, 3; Barn Owl, 1; Kingfisher, 2; Flicker, 3; Least Flycatcher, 1 (observed at 30 feet; size, shape, length of tail and wing-bars noted—the Motts, Lewis, Toal); Prairie Horned Lark, 1; Tree Swallow, 1; Blue Jay, 3; Crow, 1; Robin, 1 (in full song); Cedar Waxwing, 2; Starling, 907 (est.); Myrtle Warbler, 16; English Sparrow, 229; Meadowlark, 71 (many singing); Red-wing, 1; Purple Grackle, 9; Cowbird, 29; Purple Finch, 9; Junco, 10; Tree Sparrow, 16; Fox Sparrow, 1; Song Sparrow, 4. **Total**, 41 species; approximately 2158 individuals.—LEWIS BALL, JULIA MOTT, HARRIETT MOTT, PHEBE MOTT, ALMA TOAL, NORMA LEWIS, BILLY HALL, AUSTIN WHITEWORTH, JOHN JACOBSEN, ELLEN OSTENHOLM, IDA SPRAGUE, ANNIE SPRAGUE, ARTHUR ROSE, JR., BILL LEWIS, ELIZABETH DICKENS.

Charlestown, R. I. (Kimball Bird Sanctuary and environs; Charlestown Pond to Napatree Point, Watch Hill).—Dec. 26; 7 A.M. to 4.45 P.M. Partly cloudy; temp. 27° at start, 41° at return; barometer 30 to 30.02; wind, north; ground bare; two observers together, 4 miles on foot, 49 miles by car. Common Loon, 15; Holboell's Grebe, 3; Horned Grebe, 6; Pied-billed Grebe, 4; Double-crested Cormorant, 2; Great Blue Heron, 5; Canada Goose, 22; Red-legged Black Duck, 1588;

Common Black Duck, 52; Green-winged Teal, 5; Greater Scaup, 50; American Golden-eye, 178; Buffle-head, 30; Old-squaw, 5; American Eider, 1; White-winged Scoter, 42; American Scoter, 77; American Merganser, 505; Red-breasted Merganser, 17; Bald Eagle, 1; Ruffed Grouse, 1; Black-bellied Plover, 2; Greater Yellow-legs, 1; Purple Sandpiper, 19; Sanderling, 1; Great Black-backed Gull, 16; Herring Gull, 721; Ring-billed Gull, 1; Belted Kingfisher, 2; Flicker, 5; Downy Woodpecker, 4; Northern Horned Lark, 6; Blue Jay, 5; Crow, 7; Chickadee, 18; White-breasted Nuthatch, 5; Catbird, 1; Robin, 1; Starling, 270; Myrtle Warbler, 16; English Sparrow, 32; Meadowlark, 21; Purple Finch, 25; Junco, 8; Tree Sparrow, 90; White-crowned Sparrow, 1 (present at feeding station since Dec. 22—M. K. Southwick); White-throated Sparrow, 11; Fox Sparrow, 1; Song Sparrow, 24. **Total**, 49 species; approximately 3923 individuals. Eight Bob-white and 1 Chipping Sparrow seen feeding every day prior to census; on Dec. 24, Cedar Waxwings, 21, and numbers of Robins and Bluebirds.—MARY K. SOUTHWICK, DR. THOMAS PERRY, DR. LE MOINE WHITE.

Kingston, R. I. (The rocky east shore of Narragansett Bay from Narrow River to Point Judith, and the ocean beaches from Point Judith to Truston Pond; various ponds, ploughed fields, bramble patches, orchards, woodlands, etc., west to Watchaug Pond and north to Wordens Pond).—Dec. 26; 7.30 A.M. to 4.30 P.M. Partly cloudy, with thick fog from 10.15 A.M. to 1.30 P.M., and haze afterwards; ice on all ponds with many open leads; ground bare, heavy frost in morning; wind north-northeast, about 10 m.p.h.; temp. 25° at start, 41° at return. Four observers in 1 car; 2 walking parties as follows: party I, 3 observers, ¼ hour, ½ mile; party II, 3 observers, ¾ hour, 2 miles; also numerous short parties. Total miles afoot, 5; total hours afoot, 2; total miles by car, 59. Common Loon, 7; Horned Grebe, 10; European Cormorant, 23; Great Blue Heron, 1; Canada Goose, 6; Mallard, 2; Red-legged and Common Black Duck, 1194; Baldpate, 80; Canvas-back, 3; Greater Scaup, 50; American Golden-eye, 148; Barrow's Golden-eye, 1; Buffle-head, 7; King Eider, 1; White-winged Scoter, 14; Surf Scoter, 400; American Scoter, 40; Hooded Merganser, 3; American Merganser, 85; Red-breasted Merganser, 33; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Great Black-backed Gull, 16; Herring Gull, 264; Ring-billed Gull, 9; Razor-billed Auk, 1; Belted Kingfisher, 1; Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Northern Horned Lark, 26; Blue Jay, 8; Crow, 22; Chickadee, 12; Robin, 61; Bluebird, 16; Cedar Waxwing, 115+ (2 flocks); Starling, 2121 (est.); Myrtle Warbler, 21; English Sparrow, 19; Meadowlark, 13; Purple Finch, 16; Goldfinch, 16; Towhee, 1; Savannah Sparrow, 2; Junco, 5; Tree Sparrow, 132; White-throated Sparrow, 16; Swamp Sparrow, 2; Song Sparrow, 22; Snow Bunting, 1. **Total**, 52 species and subspecies; 5103+ individuals. The Barrow's Golden-eye, a drake, was easily observed at close range and compared with an American Golden-eye; it has been present all month. The King Eider an immature male, was studied at 150 yards by

FORTY-FIRST CHRISTMAS BIRD CENSUS

the whole party with 35X and 20X telescopes; light breast, chocolate head, relatively short bill and concave profile were all seen.—ALBERT A. BARDEN, JR., EDWARD L. COMAN, DAVID EMERSON, DOUGLAS L. KRAUS.

Middletown, Newport, R. I. (area covered same as that of previous years: reservoirs, dunes, fields, etc., all within a mile of the sea whose shore is partly rocky outcrops, partly sand beaches).—Dec. 24; 7:30 A.M. to 5 P.M. Clear all day; no wind before 11 A.M., when a fresh southwest wind came up; temp. about 25° at start, and 35° at return. One observer on foot. Total hours, 9½; total miles, 18–20. Common Loon, 13; Red-throated Loon, 1; Holboell's Grebe, 11; Horned Grebe, 23; European Cormorant, 230; Red-legged Black Duck, 70; Common Black Duck, about 5; European Widgeon, 1; Baldpate, 69; Green-winged Teal, 1; Ring-necked Duck, 8; Greater Scaup, 190; Lesser Scaup, about 15; American Golden-eye, 135; Buffle-head, 4; American Eider, 10+; King Eider, 20+; White-winged Scoter, 440; Surf Scoter, 315; American Scoter, 70; Ruddy Duck, 1; Hooded Merganser, 1; American Merganser, 103; Red-breasted Merganser, 48; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Pheasant, 3; Sora, 1; Coot, 32; Purple Sandpiper, 65; Great Black-backed Gull, 7; Herring Gull, 200; Razor-billed Auk, 1; Dovekie, 1; Rock Dove, 25; Screech Owl, 1; Snowy Owl, 1; Flicker, 1; Downy Woodpecker, 1; Northern Horned Lark, 75; Blue Jay, 1; Crow, 47; Chickadee, 3; Winter Wren, 1; Robin, 1; Golden-crowned Kinglet, 2; Northern Shrike, 1; Starling, 525; Myrtle Warbler, 6; Western Palm Warbler, 8; English Sparrow, 20; Meadowlark, 15; Goldfinch, 2; Ipswich Sparrow, 2; Savannah Sparrow, 1; Vesper Sparrow, 8; Tree Sparrow, 11; White-throated Sparrow, 50; Swamp Sparrow, 2; Song Sparrow, 29; Lapland Longspur, 1. **Total**, 62 species; about 2940 individuals. At a feeding station within the area, I saw Red-shouldered Hawk, 1; Carolina Wren, 2; Catbird, 1; Purple Finch, 5; both the day before my census and the day after, but on the day of the census two small boys and three dogs made an effective entry about 5 minutes before me. I saw the birds leave but from too great a distance for identification. Seen in the period, but not on the day: Old-squaw, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Laughing Gull, 1; Long-billed Marsh Wren, 1; Yellow-throat, 1; Towhee, 1. The King Eiders were observed with a 35X scope at a distance of 100 yards in excellent light for over one-half hour. There was a flock of 30 to 45 birds in a strong swell which accounts for the inaccuracy in counting. About 12 young males with light breasts, deep chocolate heads, dark backs, and angular profile were seen with the red-buffy females, also with angular profiles. Where these were seen I have had Kings every year, and King Eiders in my experience are less unusual than Americans on Rhode Island shores. The Sora responded twice, when I threw a stone, with a clear *kik*.—W. H. DRURY, JR.

Providence, R. I. (city parks, woods, fields, E. Providence Reservoir area, west shore Seekonk River, Providence River and Narragansett Bay to Warwick Light).—Dec. 28; 8 A.M. to 4 P.M. Con-

tinuous light to heavy rain; light northeast wind; ground bare, ponds open; temp. 44° at start, 46° at return. Six observers working in 3 and 4 parties. Total party hours afield, 20 (13 afoot, 7 by car); total party miles, 81 (20 afoot, 61 by car). European Cormorant, 1; Black-crowned Night Heron, 2; Mallard, 14; Common Black Duck, 842; Green-winged Teal, 1; Canvas-back, 4; Scaup, 16,000+ (prob. both species); American Golden-eye, 130; Barrow's Golden-eye, 1 (Barden and Kraus, white crescent on head and black body sides observed with 36X scope—several Dec. records); Buffle-head, 78; Hooded Merganser, 2; American Merganser, 32; Red-breasted Merganser, 20; Red-tailed Hawk, 1; Pheasant, 9; Great Black-backed Gull, 7; Herring Gull, 860; Kingfisher, 3; Flicker, 8; Downy Woodpecker, 2; Northern Horned Lark, 1; Blue Jay, 26; Crow, 68; Chickadee, 93; White-breasted Nuthatch, 1; Brown Creeper, 3; Bluebird, 4; Golden-crowned Kinglet, 8; Starling, 326; Myrtle Warbler, 24; English Sparrow, 57; Meadowlark, 9; Pine Siskin, 25; Goldfinch, 11; Junco, 50; Tree Sparrow, 48; Field Sparrow, 7; Fox Sparrow, 4; Song Sparrow, 32. **Total**, 39 species; 18,814+ individuals.—A. A. BARDEN, JR., DORIS DEAN, WILLIAM B. DEAN; DR. DOUGLAS KRAUS, GLEN WOOD, CARLOS G. WRIGHT (R. I. Ornithological Club).

Tiverton and Little Compton, R. I., and Acoaxet, Mass.—Dec. 22; 7 A.M. to 5 P.M. Overcast; light intermittent rain after 1 P.M.; recent thin ice almost gone; ground bare; calm in morning, light northwest wind after noon; temp. 37°. Twelve observers in 3 cars, same route. Walking parties scattered thus: party I, 12 observers, ¾ hour, 1 mile; party II, 12 observers, ½ hour, ½ mile; party III, 12 observers, ½ hour, ½ mile; party IV, 2 observers, ½ hour, 1 mile; party V, 12 observers, ½ hour, 1 mile; party VI, 12 observers, ¾ hour, 1 mile; party VII, 5 observers, 2 hours, 3 miles. Total party hours, 9½ (6 afoot, 3½ in car); total miles, 68 (8 afoot, 60 by car). Common Loon, 26; Red-throated Loon, 3; Holboell's Grebe, 1; Horned Grebe, 27; European Cormorant, 8; Great Blue Heron, 1; Common and Red-legged Black Duck, 576; European Widgeon, 1; Baldpate, 93; Pintail, 12; Greater Scaup, 831; Golden-eye, 623; Buffle-head, 137 (1 group); Old-squaw, 5; American Eider, 15; King Eider, 5 (3 imm. ♂s, 2 ♀s); American Scoter, 107; White-winged Scoter, 147; Surf Scoter, 40; Hooded Merganser, 4; American Merganser, 29; Red-breasted Merganser, 37; Accipiter (sp.?), 1; Red-shouldered Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 1; Pheasant, 2; Coot, 33; Lesser Yellowlegs, 1; Purple Sandpiper, 60; Great Black-backed Gull, 8; Herring Gull, 440; Ring-billed Gull, 6 (together); Dovekie, 3; Mourning Dove, 21; Great Horned Owl, 1; Flicker, 3; Downy Woodpecker, 2; Northern Horned Lark, 49; Blue Jay, 15; Crow, 26; Chickadee, 16; Robin, 3; Golden-crowned Kinglet, 3; Cedar Waxwing, 12; Starling, 1320; Myrtle Warbler, 21; English Sparrow, 35; Meadowlark, 51; Purple Finch, 3; Goldfinch, 4; Ipswich Sparrow, 2; Savannah Sparrow, 17; Junco, 3; Tree Sparrow, 19; White-throated Sparrow, 34 (together); Swamp Sparrow, 4; Song Sparrow, 19.

AUDUBON MAGAZINE

Total, 59 species; about 4660 individuals. The Lesser Yellow-legs had been independently identified by Clement a week earlier. Fine straight bill and two-note call noted. Our experience suggests that the King Eider is not more unusual than the American Eider.—ALBERT BARDEN, RICHARD BOWEN, ROLAND CLEMENT, MR. and MRS. WM. DEAN, WM. DRURY, JR., DAVID EMERSON, MR. and MRS. HAROLD GIBBS, SETH JAMMISON, DOUGLAS KRAUB, ALVAH SANBORN, GLEN WOOD, CARLOS WRIGHT.

Eastern Fairfield County, Conn. (including Stratford, Bridgeport, Fairfield and Westport, covering the coastline from the Housatonic to the Saugatuck rivers).—Dec. 26: 7 A.M. to 5.15 P.M. Clear in the early morning, becoming cloudy by noon, with light rain in the afternoon; ground bare; wind light, southwest, shifting to northeast; temp. 32° at start, 47° at finish. Observers separate. Brauner covered Stratford and Bridgeport; Novak contributed a list of birds seen at Birdcraft Sanctuary, but made no extended trip; Saunders covered Fairfield and Westport. Total hours afield, 20; total miles, 116 by car, 20 on foot. Horned Grebe, 2; Great Blue Heron, 2; Black-crowned Night Heron, 44; Mallard, 10; Black Duck, 760 (est.); Green-winged Teal, 2; Wood Duck, 2; Scaup, 1215; Golden-eye, 289; Bufflehead, 101; Old-squaw, 70; White-winged Scoter, 3200 (est.); Surf Scoter, 110; American Scoter, 12; American Merganser, 8; Red-breasted Merganser, 26; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 11; Killdeer, 1; Purple Sandpiper, 18; Red-backed Sandpiper, 1; Great Black-backed Gull, 11; Herring Gull, 3390; Ring-billed Gull, 61; Bonaparte's Gull, 54; Barred Owl, 1; Short-eared Owl, 1; Kingfisher, 2; Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 16; Blue Jay, 15; Crow, 66; Chickadee, 30; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 1; Catbird, 1; Robin, 4; Golden-crowned Kinglet, 13; Starling, 187; Myrtle Warbler, 18; English Sparrow, 69; Meadowlark, 10; Cardinal, 1; Purple Finch, 3; Pine Siskin, 3; Goldfinch, 24; Savannah Sparrow, 1; Slate-colored Junco, 41; Tree Sparrow, 50; Field Sparrow, 3; White-throated Sparrow, 11; Swamp Sparrow, 1; Song Sparrow, 14. **Total**, 58 species; about 10,000 individuals. The Cardinal (a male) and the Catbird have been present in the sanctuary since November. Holboell's Grebe, Hermit Thrush, Bluebird, and Fox Sparrow observed in area since Dec. 22, but not found on day of census.—JOSEPH BRAUNER, FRANK NOVAK, ARETAS A. SAUNDERS.

[Another census, covering essentially the same territory, was taken by Dr. Frank P. Mathews on Dec. 24. Species on this census, not included on the above Eastern Fairfield County list, are as follows: Common Loon, 6; Ring-necked Duck, 1; Sharp-shinned Hawk, 1; Ruffed Grouse, 1; Bobwhite, 6; Fish Crow, 4; Brown Thrasher, 1; Pipit, 6. Dr. Mathews' census contained a total of 46 species and approximately 3397 individuals.—ED.]

Hartford, Conn. (Cedar Mountain, Cedar Hill Cemetery, Wethersfield Cove, South Windsor ½ mile east Route 5 to Connecticut River bank

1 mile west, 2 miles north and south).—Dec. 22: 8 A.M. to 5 P.M. Cloudy, light drizzle around noon; no wind; temp. 38° at start, 42° at noon, 35° at return. Observers in 2 groups: party I, 2 observers, 4 hours, 8 miles on foot; party II, 2 observers, 8 hours, 7 miles on foot. Total miles on foot, 15; total hours afoot, 12. Black Duck, 30; American Merganser, 28; Sparrow Hawk, 3; Bald Eagle, 1; Herring Gull, 14; Mourning Dove, 1 (Liebe and Belden); Downy Woodpecker, 16; Blue Jay, 20; Crow, 100; Chickadee, 22; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 3 (common this year on Cedar Mountain); Brown Creeper, 1; Winter Wren, 1; Mockingbird, 1 (Powers); Catbird, 1 (banded four days previously by Bashour); Golden-crowned Kinglet, 12; Starling, 150; English Sparrow, 50; Siskin, 300 (rare around Hartford for many years but this year in large flocks on Cedar Mountain since late November); Goldfinch, 350; Junco, 30; Tree Sparrow, 85; Song Sparrow, 8. **Total**, 24 species; approximately 1230 individuals.—ROBERT BELDEN, HAROLD LIEBE, JACK O'BRIEN, ARTHUR POWERS, FRED BASHOUR (members Hartford Bird Study Club).

New Haven, Conn. (New Haven and within 7½ miles to north and southwest).—Dec. 24: 9.45 A.M. to 3.45 P.M. Clear; southwest wind, 10 m.p.h.; temp. 25° to 32°. Sparrow Hawk, 1; Mallard, 10; Red-legged and Common Black Duck, 137 (est.); Greater Scaup, 190 (est.); Rock Dove, 97 (est.); Great Black-backed Gull, 1; Herring Gull, 351 (est.); Ring-billed Gull, 97 (est.); Bonaparte's Gull, 150 (est.); Belted Kingfisher, 2; Downy Woodpecker, 2; Crow, 6; Black-capped Chickadee, 11; White-breasted Nuthatch, 2; Brown Creeper, 2; Bluebird, 3; Starling, 244 (est.); Myrtle Warbler, 20 (est.); English Sparrow, 102 (est.); Meadowlark, 1; Cowbird, 1; Goldfinch, 4; Junco, 2; Tree Sparrow, 18; Song Sparrow, 8. **Total**, 25 species; approximately 1365 individuals.—DAVIS H. CROMPTON, RAYMOND BUDRZYCKI.

New London, Conn. (along the Thames River and Long Island Sound between Montville, Lyme, Groton Long Point and Mystic).—Dec. 22: 7 A.M. to 4.45 P.M. Partly cloudy; wind, west, calm to 6 m.p.h. Observers in groups as follows: party I, 3 observers, 6 miles afoot, 8 hours; party II, 1 observer, 7 miles afoot, 8½ hours; party III, 1 observer, 2 miles afoot, 1 hour. Common Loon, 2; Red-throated Loon, 5; Holboell's Grebe, 8; Horned Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 3; Canada Goose (some feral), 41; Mallard, 42; Common and Red-legged Black Duck, 500 (est.); Green-winged Teal, 5; Blue-winged Teal, 2 (pair, with Black Ducks and Mallards; white crescent behind bill and bluish shoulder of ♂ noted—Chadwick, Logan); Ring-necked Duck, 11; Lesser Scaup, 41; American Golden-eye, 46; Bufflehead, 72; Old-squaw, 7; White-winged Scoter, 16; Surf Scoter, 26; American Scoter, 44; American Merganser, 15; Red-breasted Merganser, 96; Marsh Hawk, 2; Ring-necked Pheasant, 2; Great Black-backed Gull, 12; Herring Gull, 364; Ring-billed Gull, 2; Rock Dove, 1; Belted Kingfisher, 3; Flicker, 3;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Downy Woodpecker, 2; Blue Jay, 1; Crow, 36; Black-capped Chickadee, 6; White-breasted Nuthatch, 2; Robin, 2; Bluebird, 5; Cedar Waxwing, 25; Northern Shrike, 1; Starling, 256; Myrtle Warbler, 5; English Sparrow, 57; Meadowlark, 29; Rusty Blackbird, 45; Goldfinch, 1; Savannah Sparrow, 17; Sharp-tailed Sparrow, 1; Junco, 22; Tree Sparrow, 3; Chipping Sparrow, 2 [no details—Ed.]; Field Sparrow, 1; White-throated Sparrow, 5; Fox Sparrow, 2; Song Sparrow, 17. **Total, 54 species; 1916 individuals.**—JOHN CHADWICK, JESSIE WILLIAMS KOHL, MRS. NONA KIP, ROBERT FULTON LOGAN, E. VINE STODDARD (members Ornithology Club, Connecticut College).

Oxford and Seymour, Conn. (Quaker Farms to Stevenson and Squantuck and back).—Dec. 25; 7:40 A.M. to 3 P.M. Clear; ground bare; ponds mostly open; light northwest wind; temp. 36° at start, 58° at return. About 12 miles on foot. American Merganser, 8; Red-tailed Hawk, 2; Ruffed Grouse, 3; Herring Gull, 10; Kingfisher, 1 (heard); Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 2; Crow, 30; Chickadee, 29; White-breasted Nuthatch, 5; Brown Creeper, 6; Bluebird, 9; Golden-crowned Kinglet, 9; Starling, 41; Myrtle Warbler, 45; English Sparrow, 8; Purple Finch, 10; Pine Siskin, 66; Goldfinch, 10; Junco, 70; Tree Sparrow, 46; Song Sparrow, 9. **Total, 24 species; 433 individuals.** Red-breasted Nuthatch and Winter Wren recently noted.—ALFRED P. HARGER.

Wilton, Conn. (town of Wilton and adjacent shoreline from East Norwalk west to Noroton).—Dec. 22; 8 A.M. to 4:30 P.M. Overcast, with light rain in afternoon; light westerly wind; temp. 40° at start, 35° at finish. Four observers, 2 together for 7 hours, all 4 together for 3 hours. Total party hours afield, 20 (10 afoot, 10 by car); total party miles, 54 (5 afoot, 49 by car). Red-throated Loon, 1; Common Black Duck, 2; American Golden-eye, 300; Old-squaw, 200; White-winged Scoter, 5000 (est.); American Merganser, 10; Red-breasted Merganser, 3; Sparrow Hawk, 2; Killdeer, 4; Black-backed Gull, 1; Herring Gull, 800 (est.); Ring-billed Gull, 1; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 2; Crow, 8; Black-capped Chickadee, 18; Tufted Titmouse, 1; White-breasted Nuthatch, 5; Bluebird, 2; Golden-crowned Kinglet, 1; Starling, 500; English Sparrow, 33; Purple Finch, 25; Goldfinch, 6; Slate-colored Junco, 36; Tree Sparrow, 55; White-throated Sparrow, 14. **Total, 29 species; approximately 7036 individuals.**—LEONARD J. BRADLEY, SAMUEL E. BROWN, SAMUEL E. BROWN, JR., EDSON B. HECK.

Bayville to Fort Salonga, L. I., N. Y. (Mill Neck and Roosevelt sanctuaries, Lloyd Neck, Eaton's Neck and Crab Meadow Beach south to Melville).—Dec. 27; dawn to sunset. Dark, occasional fog; wind northeast at start, velocity 10 m.p.h., to south at dusk, velocity 5 m.p.h.; temp. 41° at start, 51° at 2 P.M., 48° at sundown. Over 8 miles on foot, 124 miles by automobile. Common Loon, 4; Red-throated Loon, 1; Holboell's Grebe, 4; Horned Grebe, 32; Great Blue Heron, 4; Mute Swan, 31; Canada Goose, 28; Mallard, 85; Red-legged and Common

Black Duck, 800 (est.); Gadwall, 1 [feral—Ed.]; Baldpate, 22; Pintail, 4; Green-winged Teal, 6; Shoveller, 4; Greater Scaup, 12,000±; American Golden-eye, 210; Buffle-head, 31; Old-squaw, 300 (est.); American Scoter, 4; White-winged Scoter, 4200±; Surf Scoter, 250 (est.); Hooded Merganser, 14; Red-breasted Merganser, 220 (est.); Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Pheasant, 6; Coot, 1; Black-backed Gull, 14; Herring Gull, 1400 (est.); Ring-billed Gull, 16; Rock Dove, 10; Screech Owl, 2; Belted Kingfisher, 3; Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 12; Crow, 20,000± (evening at roost); Fish Crow, 25 (flew into roost at dusk); Chickadee, 40; White-breasted Nuthatch, 12; Robin, 15; Hermit Thrush, 2; Starling, 650 (est.); Myrtle Warbler, 6; English Sparrow, 60; Rusty Blackbird, 4; Purple Finch, 1; Goldfinch, 230 (est.); Junco, 61; Tree Sparrow, 41; White-throated Sparrow, 34; Swamp Sparrow, 2; Song Sparrow, 14. **Total, 55 species; over 41,243 individuals.** Also several thousand Ducks too distant for identification.—MR. and MRS. ALLAN D. CRUICKSHANK.

Easthampton to Watermill, L. I., N. Y. (shores of Gardiner's Bay and adjacent oak-pitch pines, marshes, and fields; ocean beach, plowed fields, farms, estate grounds, coastal ponds and bays, fresh-water ponds, etc.).—Dec. 27; 6 A.M. to 5 P.M. Heavily overcast, frequently drizzling rain; wind moderate to strong, mostly northeast; temp. 42° at start, 44° at close; barom. 30.05 at start. Eight observers working in 3 parties, two separately to 10 A.M., together from 10 A.M. to 1 P.M., then separately until close; third party in field from 9 A.M. to 5 P.M., separately. Total party hours afield, 30 (20½ by foot, 9½ by car); total party miles, 137 (24 afoot, 113 by car). Loon, 14; Red-throated Loon, 8; Holboell's Grebe, 4; Horned Grebe, 14; Great Blue Heron, 2; Black-crowned Night Heron, 2; Mute Swan, 23; Common and Red-legged Black Duck, 795; Baldpate, 7; Ring-necked Duck, 180; Canvas-back, 2; Greater Scaup, 120+; Lesser Scaup, 10+; Golden-eye, 144; Buffle-head, 20; Old-squaw, 41; Eider, 2; King Eider, 1; White-winged Scoter, ++; Surf Scoter, +; American Scoter, +++; total Scoters, 4843+; Ruddy Duck, 6; American Merganser, 8; Red-breasted Merganser, 178+; Marsh Hawk, 2; Sparrow Hawk, 4; Pheasant, 4; Virginia Rail, 1; Coot, 12; Killdeer, 4; Wilson's Snipe, 3; Black-backed Gull, 55; Herring Gull, 820+; Ring-billed Gull, 115; Razor-billed Auk, 3 (probably 2-3 other Alcids were of this species); Dovekie, 11; Rock Dove, 30+; Mourning Dove, 21; Screech Owl, 2; Great Horned Owl, 1; Short-eared Owl, 1; Kingfisher, 3; Flicker, 17; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 143+; Prairie Horned Lark, 1; Blue Jay, 26; Crow, 58; Chickadee, 41+; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Long-billed Marsh Wren, 1; Catbird, 4; Robin, 9; Hermit Thrush, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 50 (flock); Starling, 1960+; Myrtle Warbler, 75+; Western Palm Warbler, 2; English Sparrow, 63+; Meadowlark, 52+; Red-wing, 4; Cowbird, 2; Purple Finch, 20; Goldfinch, 95+; Junco, 25+;

AUDUBON MAGAZINE

Tree Sparrow, 18; White-throated Sparrow, 68+; Swamp Sparrow, 5; Song Sparrow, 24; Snow Bunting, 12. **Total**, 75 species; approximately 10,201 individuals. Mockingbird, Carolina Wren, and 10 additional species seen on previous day; 150+ Dovekies on following day.—R. FISCHER, W. HELMUTH 3RD, W. SABIN, G. SCOTT, G. SCOTT, JR., H. SCOTT, F. SMITH, C. WRIGHT.

Mastic to Westhampton and Moriches Inlet, L. I., N. Y.—Dec. 28; 7:45 A.M. to 4:10 P.M. Rain, heavy showers, becoming foggy late; no snow, ice or frost; wind moderate to strong, east-southeast, becoming light southwest late; temp. about 45° to 50°. Observers together, by car and on foot. Great Blue Heron, 4; Mallard, 5; Black Duck, 850 (est.); Baldpate, 10; Pintail, 15; Green-winged Teal, 25; White-winged Scoter, 1; probable Scoters on the ocean, 300 (est.); American Merganser, 1; Red-breasted (?) Merganser, 20; Pheasant, 2; Black-backed Gull, 10; Herring Gull, 300 (est.); Ring-billed Gull, 5; Short-eared Owl, 1; Kingfisher, 1; Flicker, 3; Hairy Woodpecker, 1; Horned Lark, 25; Crow, 12; Chickadee, 4; Starling, 800 (est., mostly one flock); Myrtle Warbler, 25; English Sparrow, 4; Meadowlark, 12; Purple Finch, 6; Goldfinch (?), 1; Tree Sparrow, 2; White-throated Sparrow, 5; Song Sparrow, 4; Snow Bunting, 175. **Total**, 29 species; approximately 2629 individuals.—J. T. and W. F. NICHOLS.

Montauk, L. I., N. Y. (lighthouse, Golf's Point, Lazy Point, etc., to Promised Land, and all territory between Atlantic Ocean and Gardiner's Bay).—Dec. 29; 5:45 A.M. to 5:30 P.M. Continuous drizzle, with frequent hard downpours of rain; dense fog from 11 A.M. on, greatly reducing visibility; wind variable, southeast to northeast, moderately hard to absent; gusty; temp. 43° at start, 45° at return; barom. 29.72 at start. Nine observers working in 4 parties, 1 remaining at lighthouse throughout morning. Total party hours afield, 43½ (33½ afoot, 10 by car); total party miles, 169 (38 afoot, 131 by car). Loon, 37; Red-throated Loon, 48; Holboell's Grebe, 11; Horned Grebe, 1; Gannet, 26; Great Blue Heron, 1; Mute Swan, 2; Common Black Duck, 23; Red-legged Black Duck, at least 2; Scaup (probably Greater), 40; Golden-eye, 572+; Old-squaw, 281+; Eider, 10; King Eider, 1; White-winged Scoter, ++; Surf Scoter, +; American Scoter, +++; total Scoters, about 3000; American Merganser, 5; Red-breasted Merganser, 1009+; Sparrow Hawk, 2; Wilson's Snipe, 1; Purple Sandpiper, 9; Black-backed Gull, 159+; Herring Gull, 1456+; Bonaparte's Gull, 60; Kittiwake, 3; Razor-billed Auk, 17; Dovekie, 38; Mourning Dove, 1; Short-eared Owl, 1; Flicker, 23; Downy Woodpecker, 3; Horned Lark, 74; Blue Jay, 7; Crow, 87; Chickadee, 38; Catbird, 2 (K. R., W. T. H.—unmistakable birds, seen under good condition of light, etc.); Robin, 28; Bluebird, 9; Golden-crowned Kinglet, 1; Pipit, 1; Northern Shrike, 1; Starling, 225+; Orange-crowned Warbler, 1 (W. T. H.—small, active, sharp-billed Warbler of uniform bright olive-green color, seen at close range among Myrtle Warblers and Sparrows on several successive occasions within space of 15 minutes); Myrtle Warbler, 575+; Western

Palm Warbler, 1 (K. R., W. T. H.—tail-wagging grayish-green Warbler with small area of yellow on under tail-coverts only); English Sparrow, 40; Meadowlark, 16; Cowbird, 2; Purple Finch, 4; Towhee, 2 (H. D., G. S., et al.); Ipswich Sparrow, 1; Savannah Sparrow, 5; Tree Sparrow, 111; Field Sparrow, 2 (L. B., W. S.); White-throated Sparrow, 76; Fox Sparrow, 3; Swamp Sparrow, 9; Song Sparrow, 58+; Snow Bunting, 227+. **Total**, 60 species and subspecies; approximately 18,462 individuals. Ten additional common species seen on Dec. 30.—L. BRESLAU, H. DARROW, W. HELMUTH III, W. HELMUTH IV, S. LESTER, C. McKEEVER, K. RYAN, G. SCOTT, JR., W. SEDWITZ.

Orient, L. I., N. Y.—Dec. 23; 6:30 A.M. to 5:30 P.M. Clear; fresh northwest wind; temp. 40° at start, 32° at finish. Car used about one hour. Ground bare with no frost. Loon, 3; Horned Grebe, 5; Great Blue Heron, 1; Black Duck, 45; Greater Scaup, 800 (est.); Golden-eye, 1200 (est.); Buffle-head, 18; Old-squaw, 1400 (est.); White-winged Scoter, 2200 (est.); Surf Scoter, 125; American Merganser, 2; Red-breasted Merganser, 24; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 7; Pheasant, 16; Killdeer, 1; Great Black-backed Gull, 4; Herring Gull, 700 (est.); Mourning Dove, 1; Screech Owl, 1; Flicker, 3; Downy Woodpecker, 3; Horned Lark, 350 (est.); Blue Jay, 1; Crow, 45; Fish Crow, 1; Black-capped Chickadee, 11; Red-breasted Nuthatch, 1; Carolina Wren, 2; Long-billed Marsh Wren, 1; Robin, 17; Bluebird, 8; Cedar Waxwing, 7; Starling, 80; Myrtle Warbler, 65; English Sparrow, 70; Meadowlark, 30; Red-wing, 5; Grackle, 1; Goldfinch, 3; Ipswich Sparrow, 5; Savannah Sparrow, 1; Junco, 6; Tree Sparrow, 56; Field Sparrow, 1; White-throated Sparrow, 14; Swamp Sparrow, 5; Song Sparrow, 65; Snow Bunting, 68. **Total**, 50 species; approximately 7376 individuals.—ROY LATHAM.

Smithtown, L. I., N. Y. (along Nissequogue River to Short and Long Beaches, then Lake Ronkonkoma, St. James Harbor, Stony Brook, Oldfield Point, and West Meadow Beach).—Dec. 28; 4:20 A.M. to 5 P.M. Fog, and continuous rain all day; slight offshore breeze; temp. 47° at start, 40° at return. Observers together all day; 105 miles by car, 6 miles by foot, 6 hours afoot. Horned Grebe, 8; Great Blue Heron, 2; Black-crowned Night Heron, 29; Mute Swan, 28; Mallard, 176; Red-legged and Common Black Duck (both identified), 1134; Baldpate, 3; Pintail, 1; Ring-necked Duck, 3; Canvas-back, 1; American Golden-eye, 197; Buffle-head, 1; Old-squaw, 254; King Eider, 1; American Scoter, 50; White-winged Scoter, 505; Surf Scoter, 15; American Merganser, 40; Red-breasted Merganser, 159; Goshawk, 1; Bob-white, 1; Ring-necked Pheasant, 3; Clapper Rail, 1; Coot, 4; Great Black-backed Gull, 29; Herring Gull, 2048; Ring-billed Gull, 11; Mourning Dove, 22; Screech Owl, 3; Barred Owl, 1; Long-eared Owl, 1; Kingfisher, 5; Flicker, 1; Downy Woodpecker, 2; Northern Horned Lark, 11; Blue Jay, 5; Crow, 91; Fish Crow, 4; Chickadee, 15; White-breasted Nuthatch, 4; Brown Creeper, 3; Long-billed Marsh Wren, 1; Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 8;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Starling, 25; Myrtle Warbler, 11; Magnolia Warbler, 1; English Sparrow, 3; Rusty Blackbird, 1; Grackle, 3; Cowbird, 12; Purple Finch, 7; Pine Siskin, 3; Goldfinch, 18; Towhee, 1; Junco, 1; Tree Sparrow, 45; Field Sparrow, 2; White-throated Sparrow, 42; Swamp Sparrow, 10; Song Sparrow, 37. **Total**, 63 species; 5108 (est.) individuals. Magnolia Warbler studied at ten feet; unmistakable white tail-band, white wing-bars clearly seen.—RICHARD FISCHER, ROBERT RALSTON, GRIER RALSTON.

Southern Nassau County, L. I., N. Y. (from Jones Beach west to Atlantic Beach, north to Mineola; roughly half the circle is ocean).—Dec. 29; 6 A.M. to 6 P.M. Driving rain in the forenoon, fog and exceedingly limited visibility all day; wind east, velocity 10-30 m.p.h.; temp. maximum 53°, minimum 45°. Observers in 4 parties. Total hours afield, 32; total miles by automobile, 85; on foot, 35. European Cormorant, 1; Great Blue Heron, 5; Black-crowned Night Heron, 48; Bittern, 1; Mute Swan, 6; Mallard, 89; Black Duck, 2037; Red-legged Black Duck, 500; European Widgeon, 1; Baldpate, 94; Pintail, 88; European Teal, 1; Green-winged Teal, 73; Shoveller, 2; Greater Scaup, 6; Lesser Scaup, 1; Golden-eye, 27; Buffle-head, 2; American Eider, 1; American Scoter, 1; White-winged Scoter, 3; Hooded Merganser, 16; American Merganser, 30; Red-breasted Merganser, 32; Sharp-shinned Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Pheasant, 2; Clapper Rail, 1; Virginia Rail, 1; Killdeer, 6; Purple Sandpiper, 5; Great Black-backed Gull, 76; Herring Gull, 1640; Ring-billed Gull, 15; Kittiwake, 2; Rock Dove, 18; Short-eared Owl, 2; Screech Owl, 2; Flicker, 6; Downy Woodpecker, 4; Northern Horned Lark, 112; Prairie Horned Lark, 5; Tree Swallow, 8 (wintering at Tobay Beach sanctuary—Elliott); Blue Jay, 61; Crow, 25; Chickadee, 29; Long-billed Marsh Wren, 1; Starling, 13,000; Myrtle Warbler, 72; English Sparrow, 131; Meadowlark, 9; Red-wing, 4; Cowbird, 8; Goldfinch, 39; Ipswich Sparrow, 3; Savannah Sparrow, 1; Sharp-tailed Sparrow, 6; Acadian Sharp-tailed Sparrow, 2; Seaside Sparrow, 8; Junco, 42; Tree Sparrow, 119; Field Sparrow, 31; White-throated Sparrow, 55; Fox Sparrow, 2; Swamp Sparrow, 10; Song Sparrow, 75; Lapland Longspur, 4; Snow Bunting, 34. **Total**, 70 species; approximately 18,753 individuals.—EDWARD ADELBERG, ROBERT ARBIB, JR., DR. ROBERT BERLINER, JOHN ELLIOTT, RICHARD FISCHER, MR. and MRS. THEODORE PETTIT, WILLIAM PETTIT, GRIER RALSTON, ROBERT RALSTON, WALTON SABIN, LEAH SILVER.

Western Long Island, N. Y. (Flushing to Great Neck to Hempstead Lake to Atlantic Beach to Idlewild to Flushing).—Dec. 22; 4 A.M. to 6.30 P.M. Cloudy, with light intermittent rain in afternoon; wind, moderate west to northwest; temp. 43° at start, 51° maximum, 42° at return. Observers in 12 groups as follows: party I, 1 observer, 10½ hours, 5 miles; party II, 1 observer, 9 hours, 8 miles; party III, 2 observers, 9 hours, 46 miles; party IV, 2 observers, 2 hours, 4 miles; party V, 1 observer, 8 hours, 5 miles; party VI,

3 observers, 14 hours, 145 miles; party VII, 2 observers, 9½ hours, 14 miles; party VIII, 1 observer, 12 hours, 14 miles; party IX, 3 observers, 14½ hours, 38 miles; party X, 2 observers, 10 hours, 37 miles; party XI, 1 observer, 3 hours, 1 mile; party XII, 1 observer, 1 hour, 1 mile. Total party hours afield, 101½; total miles afoot, 95; by car, 217. Common Loon, 5; Red-throated Loon, 1; Holboell's Grebe, 1; Horned Grebe, 1; Pied-billed Grebe, 1; Gannet, 2; Double-crested Cormorant, 2; Great Blue Heron, 3; Black-crowned Night Heron, 58; American Bittern, 1; Mallard, 126; Red-legged and Common Black Duck (both identified), 5726; Gadwall, 3; European Widgeon, 2; Baldpate, 113; Pintail, 4; European Teal, 1; Green-winged Teal, 56; Shoveller, 1; Wood Duck, 1 (♂—W. Astle, D. Reid); Canvas-back, 60; Greater and Lesser Scaup (both identified), 21,807; Golden-eye, 980; Buffle-head, 60; Old-squaw, 3; American Scoter, 7; White-winged Scoter, 46; Surf Scoter, 3; Ruddy Duck, 1; Hooded Merganser, 6; American Merganser, 79; Red-breasted Merganser, 30; Red-tailed Hawk, 4; Marsh Hawk, 10; Duck Hawk, 2; Sparrow Hawk, 29; Bob-white, 55; Ring-necked Pheasant, 4; Clapper Rail, 3; Virginia Rail, 2 (seen in different localities, Kuhn, Mann, W. Reid, Jr.); Killdeer, 4; Wilson's Snipe, 3; Greater Yellow-legs, 1; Purple Sandpiper, 3; Sanderling, 2; Black-backed Gull, 30; Herring Gull [no details—Ed.], 1; Bonaparte's Gull, 2; Rock Dove, 46; Mourning Dove, 5; Barn Owl, 2; Screech Owl, 3; Short-eared Owl, 4; Kingfisher, 16; Flicker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 27; Northern Horned Lark, 71; Prairie Horned Lark, 12; Blue Jay, 118; Crow, 164; Fish Crow, 13; Chickadee, 24; White-breasted Nuthatch, 15; Brown Creeper, 12; Winter Wren, 2; Long-billed Marsh Wren, 2; Catbird, 1; Brown Thrasher, 1; Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 1; Pipit, 4; Northern Shrike, 1; Starling, 3519; Myrtle Warbler, 10; Yellow-throat, 1; English Sparrow, 319; Meadowlark, 45; Red-wing, 8; Rusty Blackbird, 1; Purple Grackle, 13; Bronzed Grackle, 1 (in a flock of Purple Grackles—W. Astle, Mayer, Stacey); Cowbird, 20; Purple Finch, 3; Pine Siskin, 2; Goldfinch, 38; Towhee, 3; Ipswich Sparrow, 3; Savannah Sparrow, 35; Sharp-tailed Sparrow, 5; Seaside Sparrow, 3; Vesper Sparrow, 2; Junco, 188; Tree Sparrow, 180; Field Sparrow, 14; White-throated Sparrow, 212; Fox Sparrow, 10; Swamp Sparrow, 42; Song Sparrow, 228; Lapland Longspur, 2; Snow Bunting, 16. **Total**, 106 species; about 46,000 individuals.—BESSIE ASTLE, WILLIAM O. ASTLE, BENNETT BARTON, A. T. BEALS, MARIE V. BEALS, ANDREW BROMET, BART CAMPBELL, RICHARD CHILDS, EDWIN KIRCHMEIER, ROBERT KUHN, JOHN MANN, JOHN H. MAYER, GONZALO MOREJOHN, DAVID F. REID, WILLIAM W. REID, SR., WILLIAM W. REID, JR., MRS. I. SMITH, FRANK B. SMITH, CLIFFORD D. STACEY, GUNTHER WACHTER (members of the Queens County Bird Club).

Westhampton, L. I., N. Y. (to South Haven, north to Long Island Sound).—Dec. 26; 6.45 A.M. to 4 P.M. Very hazy in early morning, cloudy and occasional rain after 12.30 P.M.; wind light, north-

AUDUBON MAGAZINE

east, shifting to light southeast in afternoon; temp. 28° at start, 40° at return. Observers together after 11 a.m. Common Loon, 2; Holboell's Grebe, 1; Horned Grebe, 6; Great Blue Heron, 18; Black-crowned Night Heron, 1; Mute Swan, 8; Canada Goose, 30; Mallard, 23; Common and Red-legged Black Duck, 320; Gadwall, 24; Baldpate, 29; Pintail, 212; Green-winged Teal, 11; Shoveller, 7; Ring-necked Duck, 138; Greater and Lesser Scaup, 19; Golden-eye, 128; Old-squaw, 50; White-winged Scoter, 500 (est.); Surf Scoter, 1; American Scoter, 4; unidentified Scoters, 500 (est.); Hooded Merganser, 2; American Merganser, 5; Red-breasted Merganser, 16; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 2; Coor, 5; Red-backed Sandpiper, 6; Great Black-backed Gull, 13; Herring Gull, 2055; Ring-billed Gull, 15; Mourning Dove, 22; Screech Owl, 2; Belted Kingfisher, 1; Flicker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Northern Horned Lark, 11; Blue Jay, 9; Crow, 82; Black-capped Chickadee, 28; Brown Creeper, 1; Winter Wren, 1; Short-billed Marsh Wren, 1; Robin, 1; Golden-crowned Kinglet, 3; Starling, 945; Myrtle Warbler, 74; English Sparrow, 31; Meadowlark, 1; Red-wing, 1; Cowbird, 17; Purple Finch, 22; Goldfinch, 3; Towhee, 2; Savannah Sparrow, 1; Junco, 47; Tree Sparrow, 32; Field Sparrow, 1; White-throated Sparrow, 14; Swamp Sparrow, 8; Song Sparrow, 26; Snow Bunting, 12. **Total**, 70 species; approximately 5569 individuals. At Manorville, Dec. 24, Rusty Blackbird, 2; Red-shouldered Hawk, 1 (Raynor).—GILBERT RAYNOR, LeROY WILCOX.

Bronx-Westchester Region, N. Y. (city and suburban area in a 15-mile circle including Sand's Point, L. I., and the west bank of the Hudson River).—Dec. 22; 6 a.m. to 5.30 p.m. Cloudy and warm (mean temp. 42°, 8° above normal), with light west to northwest winds; all streams and ponds open; visibility somewhat limited. Thirty-four observers roughly divided into ten parties and occasionally using cars. Pacific Loon, 1 (studied with telescope at close range; all recognition marks noted—Peterson, Herbert, Kassoy and Oboiko); Holboell's Grebe, 2; Horned Grebe, 2; Great Blue Heron, 9; Black-crowned Night Heron, 55; Mallard, 95 (some undoubtedly feral); Red-legged and Common Black Duck (both identified), 2960 (est.); Baldpate, 13; Pintail, 18; Green-winged Teal, 12; Wood Duck, 7; Redhead, 1; Canvas-back, 4; Greater and Lesser Scaup (both identified), 3000 (est.); Golden-eye, 750 (est.); Buffle-head, 8; Old-squaw, 7; White-winged Scoter, 32; Ruddy Duck, 2; Hooded Merganser, 16; American Merganser, 522 (partly est.); Red-breasted Merganser, 188 (partly est.); Goshawk, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 1; Duck Hawk, 2; Sparrow Hawk, 21; Pheasant, 84; Clapper Rail, 1; Killdeer, 8; Wilson's Snipe, 3; Woodcock, 1; Purple Sandpiper, 3; Iceland Gull, 1; Great Black-backed Gull, 19; Herring Gull, 4400 (est.); Ring-billed Gull, 3; Bonaparte's Gull, 70; Mourning Dove, 6; Screech

Owl, 2; Horned Owl, 2; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 2; Kingfisher, 7; Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 82; Blue Jay, 89; Crow, 360; Fish Crow, 21; Black-capped Chickadee, 108; Tufted Titmouse, 6; White-breasted Nuthatch, 62; Red-breasted Nuthatch, 6; Brown Creeper, 10; Winter Wren, 6; Long-billed Marsh Wren, 7; Robin, 6; Bluebird, 8; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 1; Pipit, 1; Cedar Waxwing, 1; Starling, 2260 (est.); Myrtle Warbler, 36; English Sparrow, 490 (partly est.); Meadowlark, 17; Red-wing, 26; Cardinal, 3; Purple Finch, 11; Goldfinch, 250 (partly est.); Towhee, 3; Savannah Sparrow, 2; Slate-colored Junco, 573; Tree Sparrow, 645; Field Sparrow, 64; White-throated Sparrow, 170; Fox Sparrow, 12; Swamp Sparrow, 11; Song Sparrow, 315. **Total**, 88 species; about 18,100 individuals. Careful pre-census preparation was somewhat lacking this year. Among the birds missed (Bob-white, Hermit Thrush, Cowbird, etc.) was an *Epidendax* Flycatcher which was carefully identified here both just before and just after the day of the census.—R. P. BAGG, GILBERT BANNER, J. L. BULL, JR., I. I. CANTOR, S. S. COHN, MR. and MRS. A. D. CRUICKSHANK, H. N. DARROW, JR.; D. W., R. N., MR. and MRS. R. F. and MRS. W. J. DEED; BENJ. GILBERT; BENEDICT GELL-MANN, R. A. HERBERT, J. J. HICKEY, MR. and MRS. F. L. JAKES, IRVING KASSOY, GEO. KOMOROWSKI, J. F. MATTHEWS, ALFRED MILCH, W. J. NORSE, MICHAEL OBOIKO, J. J. ORENSTEIN, MR. and MRS. R. T. PETERSON, J. B. PHILLIPS, H. H. POOR, JOHN ROE, O. K. STEPHENSON, JR., A. M. THOMAS, J. A. YOUNG II, and the Graham School Bird Club.

Buffalo, N. Y. (centering from Grand Island, Canadian and American shore of the Niagara River, Buffalo to Niagara Falls).—Dec. 22; 8 a.m. to 4.30 p.m. Cloudy, fog and light rain; ground bare; wind light, west; temp. 35°. Thirty-nine observers in 12 parties. Total miles afoot, 40; in cars, 150; total hours afoot, 34; in cars, 40. Horned Grebe, 2; Great Blue Heron, 1; Whistling Swan, 1; Mallard, 28; Red-legged and Common Black Duck, 1335; Gadwall, 1; Pintail, 21; Red-head, 40; Canvas-back, 200; Greater and Lesser Scaup, 2065; American Golden-eye, 2383; Buffle-head, 8; Old-squaw, 30; White-winged Scoter, 1; American Scoter, 1 (first Christmas census record—Savage, Bourne); Hooded Merganser, 1; American Merganser, 405; Red-breasted Merganser, 34; Red-tailed Hawk, 6; Rough-legged Hawk, 4; Marsh Hawk, 5; Sparrow Hawk, 19; Ruffed Grouse, 1; Pheasant, 185; Great Black-backed Gull, 11; Herring Gull, 2289; Ring-billed Gull, 13; Bonaparte's Gull, 110; Mourning Dove, 7; Great Horned Owl, 4; Red-headed Woodpecker, 12; Hairy Woodpecker, 7; Downy Woodpecker, 34; Blue Jay, 18; Crow, 125; Chickadee, 102; White-breasted Nuthatch, 46; Brown Creeper, 12; Brown Thrasher, 1 (first Christmas census record—Beardslee, *et al.*); Golden-crowned Kinglet, 1; Northern Shrike, 2; Starling, 3026; English Sparrow, 515; Cardinal, 4; Common Redpoll, 13; Junco, 2; Tree Sparrow, 143; Song Sparrow, 5. **Total**, 50 species; approximately 13,285 indi-

FORTY-FIRST CHRISTMAS BIRD CENSUS

viduals. A Robin, not dead over 2 days, was picked up in Centennial Park, Buffalo. Other species seen within 4 days of the census in above territory include: Green-winged Teal, Wilson's Snipe, Purple Sandpiper, Flicker, and Red-wing.—MILDRED BAKER, CLARK S. BEARDSLEE, T. L. BOURNE, MR. and MRS. WINSTON BROCKNER, RICHARD BYRON, B. CHANDLER, ROGER COBB, LORNA COLLAR, WILLIAM COHN, F. DAHLSTROM, JOHN DOYLE, J. FERGUSON, P. GUENTHER, J. HEDLEY, LEE and LeROY HERNDON, EDWARD JAMESON, JR., MR. and MRS. TOM KELLY, MR. and MRS. WARD KLEPPER, ELIZABETH LAMY, MRS. R. D. MADISON, LARRY MURPHY, NORMA NEVISCOURT, DONALD PAUSE, ELIZABETH PROCHNOW, JAMES SAVAGE, ADA STANLEY, HEATHER THORPE, MR. and MRS. E. C. ULRICH, RAY and RICHARD VERBIL, ALFRED and HOWARD WANDER, T. WEAVER, D. WIESNET.

Cortland, N. Y. (Toughnioga River, south end of Skaneateles Lake, Little York, Gracie Swamp, marl ponds and waterworks).—Dec. 29; 7 A.M. to 6 P.M. Showers; ground bare; wind southeast, light; temp. 44° at start, 52° at return. Fifteen observers working in 7 parties. Total party hours afield, 30 (27 afoot, 3 by car); total party miles, 80 (25 afoot, 55 by car). Great Blue Heron, 1; Black Duck, 34; Ring-necked Duck, 6; Canvas-back, 1; Scaup, 280; American Golden-eye, 55; Buffle-head, 2; Hooded Merganser, 6; American Merganser, 52; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 9; European Partridge, 5; Pheasant, 10; Herring Gull, 20; Great Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 12; Blue Jay, 14; Crow, 4000 (est.); Chickadee, 76; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Brown Creeper, 4; Mockingbird, 1 (observed daily for more than a month at Mrs. Wood's feeding station); Golden-crowned Kinglet, 7; Cedar Waxwing, 1; Starling, 140; English Sparrow, 200; Grackle, 1; Goldfinch, 7; Tree Sparrow, 60; Song Sparrow, 8; Snow Bunting, 1. **Total, 35 species;** approximately 5039 individuals. Additional species noted in area during the week were: Kingfisher, Winter Wren, White-winged Crossbill, White-crowned Sparrow.—HAROLD H. AXTELL, RACHEL C. AXTELL, JAMES BEAN, MERTON R. BEAN, ROBERT BEAN, CHARLES H. DAVIS, FRANK GEHR, FRANK GILLET, CHARLES I. HOLDEN, JAMES T. TANNER, RUTH WALSH, MRS. JAMES WOOD, HARRY C. YORK, OLIVE R. YORK, PAULINE YOUNG.

Fort Plain, N. Y. (along Mohawk River, Abeel Island game refuge, and valleys of Oak, Otisquago and Otstungo creeks).—Dec. 26; sunrise to sunset. Cloudy, and fog in morning; 6-in. snow; wind northwest, light; temp. 22° at start, 36° at return. By car 5 miles; on foot 11 miles, with dog 'Budgie.' Ruffed Grouse, 1; Ring-necked Pheasant, 3; Herring Gull, 6; Barred Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 5; Crow, 1; Chickadee, 35; White-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 2 (heard); Starling, 16; English Sparrow, 29; Red-wing, 2; Redpoll, 2; Goldfinch, 6; Tree Sparrow, 10. **Total, 18 species;** 132 individuals.—DOUGLAS ATYRE, JR.

Geneva, N. Y. (area bounded by Junius on north, west side of Cayuga Lake on east, Cayuga Lake State Park and Kashong on south, and Geneva on west—farms, orchards, mixed woods and lakes).—Dec. 29; 8:45 A.M. to 4 P.M. Fog and rain; light south wind in A.M. shifting to north in P.M.; temp. 44° all day. Eleven observers working in 5 parties. Total party hours afield, 14 (3 afoot, 11 by car); total party miles, 80 (5 afoot, 75 by car). Horned Grebe, 22; Mallard, 6; Common and Red-legged Black Duck, 250; Redhead, 1950 (est.); Canvas-back, 43; Greater and Lesser Scaup, 2875; American Golden-eye, 77; Buffle-head, 13; Old-squaw, 10; Hooded Merganser, 1; American Merganser, 22; Red-breasted Merganser, 7; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Pheasant, 5; Coot, 2; Great Black-backed Gull, 1; Herring Gull, 22; Rock Dove, 10; Red-headed Woodpecker, 1 (imm.—Peck); Hairy Woodpecker, 3; Downy Woodpecker, 7; Crow, 37; Black-capped Chickadee, 22; White-breasted Nuthatch, 10; Brown Creeper, 3; Golden-crowned Kinglet, 1; Starling, 77; English Sparrow, 296; Junco, 3; Tree Sparrow, 6. **Total, 34 species** and subspecies; approximately 5490 individuals.—LOREN WARD, T. T. ODELL, F. Z. HARTZELL, BELLA DAVIS, ETHEL MURDEN, MR. and MRS. H. E. MARBLE, A. H. BARREN, BROOKE MERRITT, FRED TRULAN, SEELEY PECK (members Eaton Bird Club).

Ithaca, N. Y. (head of Cayuga Lake, along east shore to Cayuga Heights, fields and woods near Ithaca Game Farm, thence to Taughannock Gorge).—Dec. 23; 7 A.M. to 3 P.M. Clear; ground bare; lake edged with ice; 20-mile wind from north; temp. 28° at start, 30° at return. Single observer, by automobile and afoot; total miles afoot, 7; total hours afoot, 7. Canada Goose, 22; Mallard, 70; Black Duck, 50; Redhead, 300; Canvas-back, 100; Greater Scaup, 400; Lesser Scaup, 10; American Golden-eye, 30; Buffle-head, 1; American Merganser, 12; Ring-necked Pheasant, 1; Coot, 2; Great Black-backed Gull, 2; Herring Gull, 400; Ring-billed Gull, 4; Rock Dove, 30; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 2; Crow, 50; Black-capped Chickadee, 70; White-breasted Nuthatch, 11; Starling, 60; English Sparrow, 110; Tree Sparrow, 40. **Total, 25 species;** 1780 (est.) individuals.—J. KENNETH TERRES.

Kerhonkson, N. Y. (north along the Rondout River to Accord, west through fields and evergreen and hardwood wood-lots).—Dec. 23; 8:15 A.M. to 4 P.M. Bright and clear; ground covered with patches of snow and ice; wind north; temp. 40°. Observer alone, on foot. Red-tailed Hawk, 1; Ruffed Grouse, 1; Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 4; Crow, 27; Chickadee, 10; White-breasted Nuthatch, 3; Brown Creeper, 5; Golden-crowned Kinglet, 10; Purple Finch, 1; Goldfinch, 1; Slate-colored Junco, 15; Tree Sparrow, 75; Song Sparrow, 6. **Total, 16 species;** 163 individuals.—ROBERT TERWILLIGER.

Mt. Hope (Orange Co.), N. Y. (village of Otisville and surrounding woodlands, swamps, and open fields).—Dec. 24; 6 A.M. to 5 P.M. Clear;



Photo by Allan D. Cruickshank

OVER SIX THOUSAND WHITE-THROATED SPARROWS WERE REPORTED. All but four states east of the Mississippi listed them in varying degrees of abundance.

a few patches of snow in shaded areas; moderate southwest wind; temp. 17° at start, 38° at return. About 13 miles afoot. Great Horned Owl, 2 (heard); Hairy Woodpecker, 5; Downy Woodpecker, 1; Blue Jay, 9; Crow, 5; Chickadee, 12; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 4; Northern Shrike, 1; Starling, 73; English Sparrow, 39; Goldfinch, 10; Tree Sparrow, 14; Song Sparrow, 3. Total, 14 species; 182 individuals. Pheasant and Flicker seen during week.—RALPH A. HUBLER.

Port Chester, N. Y. (Long Island Sound shore from Manursing Island in Rye, N. Y., to Stamford, Conn.; Rye and Kensico lakes).—Dec. 22; 6 A.M. to 5.45 P.M. Overcast, with light shower in P.M.; ground bare; wind light, west; temp. 38° at start, 40° at finish. Seven observers working in four parties by automobile and on foot. Total party hours afield, 43 (32 afoot, 11 by car); total party miles, 200 (35 afoot, 165 by car). Loon, 3; Pacific Loon, 1 (identified by Roger Peterson—see Bronx County census—also observed later at 200 yards with 39.5X telescope; size of Red-throated Loon, slender straight bill, dark sides of neck, feathers on back tipped and edged with white giving a scaly rather than spotted appearance—Burdall); Horned Grebe, 10; Pied-billed Grebe, 1; Great Blue Heron, 7; Canada Goose, 6; Mallard, 80; Black Duck (some Red-legged), 550 (est.); Ring-necked Duck, 13; Greater Scaup, 1200 (est.); Golden-eye, 130; Buffle-head, 35; Old-squaw, 12; White-winged

Scoter, 1100 (est.); Surf Scoter, 3; Hooded Merganser, 30; American Merganser, 40; Red-breasted Merganser, 100; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 3; Bob-white, 5; Pheasant, 8; Killdeer, 1; Black-backed Gull, 4; Herring Gull, 850 (est.); Mourning Dove, 1; Rock Dove, 6; Screech Owl, 2; Barred Owl, 1; Long-eared Owl, 2; Short-eared Owl, 1; Kingfisher, 4; Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 15; Horned Lark, 6; Blue Jay, 15; Crow, 45; Chickadee, 40; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 2; Robin, 2; Bluebird, 11; Golden-crowned Kinglet, 6; Starling, 220; Myrtle Warbler, 20; English Sparrow, 110; Meadowlark, 1; Grackle (sp.), 1; Purple Finch, 4; Goldfinch, 230; Savannah Sparrow, 1; Junco, 95; Tree Sparrow, 40; White-throated Sparrow, 20; Fox Sparrow, 1; Song Sparrow, 13. Total, 62 species; approximately 5134 individuals. Eighty Coot just outside boundary.—W. BOLTON COOK, P. CECIL SPOFFORD, RALPH C. PRESTON, DEBORAH PRESTON, JOHN KIERAN, HERMAN FORSTER, RICHARD L. BURDALL.

Rochester, N. Y. (Lake Ontario shore from Rigney's Bluff to Irondequoit Bay outlier, west bay shore south to Tryon Park, Cobb's Hill, High and Park, Mount Hope Cemetery, Durand Eastman Park, Mendon Ponds Park).—Dec. 22; 8.30 A.M. to 4.30 P.M. Heavily overcast skies; no snow on ground; ponds frozen except for small open areas;

FORTY-FIRST CHRISTMAS BIRD CENSUS

light wind; temp. 38° at start, 45° at finish. Observers in groups as follows: party I, 1 observer, 2 hours, 2 miles on foot; party II, 1 observer, 5 hours, 4 miles on foot; party III, 2 observers, 5 hours, 7 miles on foot; party IV, 2 observers, 5 hours, 4½ miles on foot; party V, 3 observers, 8 hours, 6 miles on foot; party VI, 5 observers, 8 hours, 7 miles on foot; party VII, 2 observers, 3 hours, 2½ miles on foot; party VIII, 3 observers, 6 hours, 8 miles on foot; party IX, 2 observers, 5 hours, 4 miles on foot. Total hours on foot, 47; total miles on foot, 45. Red-throated Loon, 1; Holboell's Grebe, 1; Horned Grebe, 2; Mallard, 350 (est.); Red-legged Black Duck, 12; Common Black Duck, 600 (est.); Baldpate, 1; Greater Scaup, 125; Lesser Scaup, 32; American Golden-eye, 63; American Merganser, 3; Red-breasted Merganser, 14; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 3; Pheasant, 72; Coot, 4; Black-backed Gull, 4; Herring Gull, 1900 (est.); Ring-billed Gull, 556; Bonaparte's Gull, 103; Rock Dove, 42; Screech Owl, 1; Great Horned Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 19; Prairie Horned Lark, 2; Blue Jay, 3; Crow, 87; Chickadee, 113; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 9; Brown Creeper, 24; Winter Wren, 2; Robin, 1; Golden-crowned Kinglet, 8; Cedar Waxwing, 11; Northern Shrike, 1; Starling, 847 (est.); English Sparrow, 613 (est.); Goldfinch, 1; Junco, 5; Tree Sparrow, 207; White-throated Sparrow, 1; Song Sparrow, 5. Total, 48 species; approximately 5935 individuals.

—WILLIAM DILGER, ROBERT DOLAN, WM. L. G. EDSON, ARTHUR FABBRETTI, JACOB GRAMLICH, FRED HALL, RICHARD HORSEY, ROBERT HOSLEY, CARSON JARVIS, ALLEN JOSEPHS, GORDON MEADE, HOWARD MILLER, DON NELSON, RICHARD O'HARA, L. H. PAUL, FRED RAEZT, HUGH SCHAEFER, OSCAR SCHAEFER, AMBROSE SECKER, ELMER SIBBERT, DONALD SPITZ, AL WALKER (Genesee Ornithological Society).

Schenectady, N. Y. (Mohawk River from Lock 8 to Mohawk View, Collins Lake, Woestina Sanctuary and lower Rotterdam Hills, Central Park, Vale and Parkwood cemeteries, Meadowdale, Indian Ladder, Pine Barrens, Carman, Consaul Road, Watervliet Reservoir, Fuller Road, and intervening territory.)—Dec. 22; 7.30 A.M. to 4.30 P.M. Sky overcast, some mist and brief, light rain; minimum of snow on ground, with fields mostly bare; fair amount of open water in river and fast streams, but minimum elsewhere; temp. 36° at start, 39° at return. Twenty-nine observers working in 9 parties. Total party hours afield, 51½; total party miles, 220 (48 afoot, 172 by car, incidental to trips afoot). American Merganser, 27; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 5; Ruffed Grouse, 5; Ring-necked Pheasant, 6; Herring Gull, 23; Hairy Woodpecker, 12; Downy Woodpecker, 36; Blue Jay, 148; Crow, 783; Black-capped Chickadee, 266; White-breasted Nuthatch, 83; Red-breasted Nuthatch, 12; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 19; Cedar Waxwing, 1; Northern Shrike, 1; Starling, 1250; English Sparrow, 225;

Meadowlark, 1; Cowbird, 2; Pine Siskin, 15; Goldfinch, 84; Slate-colored Junco, 28; Tree Sparrow, 446; Song Sparrow, 16. Total, 30 species; 3504 individuals. Ring-billed Gull, Screech Owl, Great Horned Owl, and Prairie Horned Lark also recorded within territory during census week.—GEORGE H. BAINBRIDGE, GUY BARTLETT, EDNA BECKER, DOROTHY CALDWELL, EDNA DROMMS, DAN FISCUSI, FRANK FRESE, EDNA HALLENBECK, BARRINGTON S. HAVENS, IDELLA HEACOX, ALICE HOLMES, MR. and MRS. LEONARD C. MATTIMORE, B. D. MILLER, P. SCHUYLER MILLER, MR. and MRS. CHESTER N. MOORE, HARRY OLESON, STEPHANIE PODRAZIK, CARL REMSCHEID, DANIEL A. RUDDY, VINCENT J. SCHAEFER, DR. MINNIE B. SCOTLAND, BENTON R. SGOVIN, RUDOLPH H. STONE, NELLE VANVORST, MR. and MRS. JOHN H. VOGHT, and ELSY HALLENBECK, Census Chairman (Schenectady Bird Club).

Staten Island, N. Y.—Dec. 22; 6.40 A.M. to 5.30 P.M. Light west wind; temp. 36° at start, 36° at finish. Seven observers working in 4 parties half day, one party of 6 observers remainder of time. Total party hours afield, 23; total party miles, 21 afoot. Common Loon, 2; Red-throated Loon, 1; Holboell's Grebe, 4; Great Blue Heron, 1; Brant, 1; Black Duck, 253; Scaup, 480; Golden-eye, 53; Buffle-head, 8; White-winged Scoter, 3; Red-breasted Merganser, 1; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 2; Killdeer, 5; Wilson's Snipe, 1; Black-backed Gull, 10; Herring Gull, 1200; Ring-billed Gull, 3; Mourning Dove, 4; Downy Woodpecker, 2; Horned Lark, 10; Prairie Horned Lark, 30 (Stryker, Hallett); Blue Jay, 15; Crow, 82; White-breasted Nuthatch, 1; Starling, 331; Myrtle Warbler, 4; English Sparrow, 83; Meadowlark, 3; Red-wing, 1; Cardinal, 4; Slate-colored Junco, 18; Tree Sparrow, 31; White-throated Sparrow, 13; Swamp Sparrow, 3; Song Sparrow, 29. Total, 38 species; 2702 individuals.—CARLTON BEIL, HOWARD H. CLEAVES, GEORGE H. HALLETT, JR., HENRY C. HASBROUCK, CHARLES PEARSON, JR., WILLIAM F. RAPP, JR., CAROL STRYKER.

Syracuse, N. Y. (Onondaga Lake to Euclid, Dewitt to Brewerton and Hitchcock Point on Oneida Lake and Cicero Swamp).—Dec. 29; 7.30 A.M. to 6.30 P.M. Heavy rain from 9 to 2.30; no snow; Onondaga Lake open, Oneida Lake frozen except inlets and outlets; wind northeast, 3 to 12 m.p.h.; temp. 44° at start, 46° at return. Four observers working in 2 parties. Total party hours afield, 20 (13 afoot, 7 by car); total party miles, 118 (16 afoot, 102 by car). Red-legged Black Duck, 7; Blue-winged Teal, 1 (♂ in nuptial plumage studied with 8× binoculars; size, white crescent before eye and bluish white on wing noted; failure of bird to flush may indicate injury—Griffiths, Ruby); Greater Scaup, 10; Lesser Scaup, 1; American Golden-eye, 24; American Merganser, 29; Ring-necked Pheasant, 3; Herring Gull, 111; Rock Dove, 79; Downy Woodpecker, 2; Blue Jay, 11; Crow, 51; Black-capped Chickadee, 22; White-breasted Nuthatch, 8; Northern Shrike, 1; Starling, 168; English Sparrow, 390; Goldfinch, 22; Tree Sparrow, 3; Song Sparrow, 5; Snow Bunting, 62. Total, 21 species; 1010 individuals. A female

AUDUBON MAGAZINE

Cooper's Hawk was found which apparently died of starvation after suffering a broken leg.—STANTON ERNET, WAYNE TRIMM, FRANK W. GRIFFITHS, GEORGE D. RUBY.

Waddington, N. Y. (along south shore of the St. Lawrence River from Waddington to Louisville Landing, and in fields, woods and swamps south of the river).—Dec. 22; 8 A.M. to 4 P.M. Cloudy and foggy, with alternate snow, mist and rain; 4-8-in. snow; calm; temp. 34° at start, 32° at return. Observers separate, totaling 21 man-hours. Total miles by car, 50; total miles afoot, 22. Black Duck, 27; American Golden-eye, 248; American Merganser, 100; Bald Eagle, 1; Ruffed Grouse, 12; Hungarian Partridge, 8; Downy Woodpecker, 8; Ring-necked Pheasant, 4; Herring Gull, 32; Ring-billed Gull, 6; Blue Jay, 31; Black-capped Chickadee, 275; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 17; Brown Creeper, 5; Golden-crowned Kinglet, 5; Northern Shrike, 1; Starling, 30; English Sparrow, 103; Common Redpoll, 261; Tree Sparrow, 8. **Total**, 21 species; 1189 individuals.—W. H. ALLISON, DALTON R. GUSHEA, ROGER W. DANIELS.

Watertown, N. Y. (park, city streets, farm, hemlock-pine woods, maple grove, old fields, swamp lands, river banks).—Dec. 29; 9 A.M. to 5:30 P.M. Overcast; cold drizzling rain; no wind; temp. 37°. Nineteen observers (8 hiking separately, 9 observing feeding stations during same hour, 2 hiking together); 6 persons saw no birds at all. Total party hours, 19½; total party miles, 10½. Ring-necked Pheasant, 3; Herring Gull, 15; Rock Dove, 24; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 2; Black-capped Chickadee, 1; Red-breasted Nuthatch, 2; Cedar Waxwing, 2; Starling, 22; English Sparrow, 67; Purple Finch, 6; Snow Bunting, 40. **Total**, 13 species; 196 individuals.—MRS. RICHARD TAYLOR, ETHEL SWITZER, GEO. L. SMITH, O. SEVERANCE, RICHARD PRIEST, ALLEN AND PRISCILLA PERKINS, JAMES MCCORMICK, MRS. LASHIER, P. B. HUDSON, E. K. HARROUN, ADELAIDE GREEN, ED GRANT, CHARLES THOUSAND, MADELINE MORSE, BETTY BADERMAN, FAITH, VERA and MINNA ANTHONY COMMON.

Barneget, N. J. (over same area as 1939: Barneget City to Beach Haven, West Creek to Barneget and vicinity, but no boat in ocean).—Dec. 29; all day. Rain and fog, the poorest possible observational weather; no snow; light southwest wind; temp. 45° at start, 55° at return. Ten observers working in 6 parties. Total party hours, 46 (30 afoot, 16 by car); total party miles, 165 (27 afoot, 138 by car). Also boat party in Barneget Bay, 2 observers, 5 hours, 35 miles by water. Holboell's Grebe, 2; Horned Grebe, 4; Gannet, 2; Great Blue Heron, 5; Canada Goose, 28; Brant, 10; Mallard, 3; Red-legged and Common Black Duck, 516; Baldpate, 21; Pintail, 30; Green-winged Teal, 7; Redhead, 9; Canvas-back, 3; Scaup, 5725; Golden-eye, 231; Buffle-head, 74; Oldsquaw, 350; Eider, 2 (9♀-sp.); White-winged Scoter, 131; Surf Scoter, 80; American Scoter, 12; American Merganser, 6; Red-breasted Merganser, 51; Turkey Vulture, 1; Rough-legged Hawk, 5; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Bob-white, 6; Pheasant, 8; Black-bellied

Plover, 25; Turnstone, 4; Knot, 15; Purple Sandpiper, 1; Red-backed Sandpiper, 250; Sanderling, 20; Great Black-backed Gull, 14; Herring Gull, 260; Ring-billed Gull, 22; Bonaparte's Gull, 7; Kittiwake, 1; Razor-billed Auk, 1; Mourning Dove, 1; Horned Owl, 3; Barred Owl, 1; Kingfisher, 1; Flicker, 10; Downy Woodpecker, 1; Horned Lark, 95; Blue Jay, 4; Crow, 62; Carolina Chickadee, 75; Tufted Titmouse, 9; Brown Creeper, 1; Short-billed Marsh Wren, 1; Brown Thrasher, 1; Robin, 20; Hermit Thrush, 8; Golden-crowned Kinglet, 4; Cedar Waxwing, 16; Starling, 229; Myrtle Warbler, 199; English Sparrow, 77; Meadowlark, 39; Red-wing, 1; Grackle, 3; Cowbird, 2; Cardinal, 8; Purple Finch, 7; Pine Siskin, 9; Goldfinch, 53; Ipswich Sparrow, 4; Savannah Sparrow, 8; Sharp-tailed Sparrow, 3; Acadian Sharp-tailed Sparrow, 1 (Edwards); Junco, 12; Tree Sparrow, 115; White-throated Sparrow, 25; Fox Sparrow, 2; Swamp Sparrow, 9; Song Sparrow, 21; Snow Bunting, 11. **Total**, 83 species and subspecies; 9100 individuals.—HENRY BENNETT, IRVING BLACK, C. D. BROWN, OSCAR EATRE, JAMES L. EDWARDS, ALFRED E. EYNON, DAVID FABLES, GEORGE KELLEY, WILLIAM J. RUSLING, LLOYD SANDFORD, GEORGE M. SEELEY, LESTER L. WALSH.

Blairstown, N. J. (vicinity of Camp Dennis, Camp Mohican, Delaware River at Pahaquarra and ponds and fields about Blairstown).—Dec. 24; 5 A.M. to 5 P.M. Clear; frost on ground; lakes frozen; wind light, southwest; temp. 18° at start, 26° at noon. Four observers working in 3 parties. Total party hours afield, 13 (4 afoot, 9 by car); total party miles, 44½ (4½ afoot, 40 by car). American Merganser, 7; Bald Eagle, 1; Falcon (not Sparrow Hawk), 1; Ruffed Grouse, 1; Herring Gull, 1; Screech Owl, 2; Horned Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 4; Crow, 54; Black-capped Chickadee, 17; Tufted Titmouse, 2; White-breasted Nuthatch, 4; Brown Creeper, 1; Golden-crowned Kinglet, 14; Starling, 200 (est.); English Sparrow, 15; Purple Finch, 50; Pine Siskin, 40; Goldfinch, 60; Junco, 15; Tree Sparrow, 40; Song Sparrow, 2. **Total**, 25 species; approximately 542 individuals.—LIBERO AJELLO, GEORGE KELLEY, LLOYD SANDFORD, DANIEL SCHAEFFER.

Boonton, N. J. (an area not exceeding a 15-mile diameter, including townships of Hanover, Montville, Chatham, Pequannock, Boonton, Rockaway and Caldwell).—Dec. 29; 5 A.M. to 5 P.M. Heavy rain all morning, light rain and dense fog all afternoon; visibility ½ mile in A.M., reduced to 50-75 yards on land, much less over water in P.M.; lakes and ponds open; rivers overflowing; light northeast wind; temp. 47° to 50°. Eleven observers in 5 parties. Total party hours afield, 60 (30 on foot, 20 by car and 5 by boat); total party miles, 147 (35 on foot, 7 by boat and 105 by car). Loon, 1; Pied-billed Grebe, 1 (Wolfarth); Mallard, 4; Common and Red-legged Black Duck, 368; Baldpate, 26; Pintail, 2; Wood Duck, 11; Ring-necked Duck, 4; Golden-eye, 3; Hooded Merganser, 2; American Merganser, 16; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Pheasant, 9;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Herring Gull, 4; Screech Owl, 1; Kingfisher, 2; Flicker, 1; Red-headed Woodpecker, 1; Hair Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 42; Crow, 137; Fish Crow, 1; Chickadee, 99; Tufted Titmouse, 28; White-breasted Nuthatch, 57; Brown Creeper, 4; Short-billed Marsh Wren, 1 (Wright); Robin, 3; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 1 (Wolfarth); Cedar Waxwing, 3; Starling, 410; English Sparrow, 134; Meadowlark, 6; Red-wing, 164; Rusty Blackbird, 2; Cardinal, 6; Pine Siskin, 6; Goldfinch, 15; Vesper Sparrow, 1; Junco, 68; Tree Sparrow, 1140; Field Sparrow, 5; White-throated Sparrow, 4; Swamp Sparrow, 7; Song Sparrow, 50. **Total**, 51 species and subspecies; approximately 2872 individuals. Hundreds of Ducks known to be present on the reservoir could not be studied due to weather conditions.—ROBERT BURKHART, ROBERT GOSSINGTON, RICHARD HONAMAN, RICHARD HOPKINS, EDWARD LANG, ARTHUR PETERSON, RUSSELL PETERSON, HERBERT STAMER, RUSSELL WESTER, FLOYD WOLFARTH, CHARLES WRIGHT.

[Another census covering essentially the same territory, taken on Dec. 27 by W. F. Rapp, Jr., and L. G. Hoth, Jr., lists three additional species not found by the Boonton group: Horned Grebe, 4; Red-breasted Nuthatch, 1; Snow Bunting, 2. The species for this Chatham report totaled 26, with 474 individuals.—Ed.]

Cape May, N. J. (15-mile circle, from Cape May Point to Cape May Court House vicinity; ocean to bay).—Dec. 22; 6.30 A.M. to 4.30 P.M. Clear all day; light southwest wind; temp. 38° at start, 48° at return. Observers in groups as follows: party I, 4 observers, 7 hours, 8 miles; party II, 4 observers, 8½ hours, 9 miles; party III, 4 observers, 8 hours, 7½ miles; party IV, 3 observers, 7 hours, 8½ miles; party V, 3 observers, 7½ hours, 8½ miles; party VI, 4 observers, 7 hours, 8½ miles; party VII, 5 observers, 8½ hours, 9½ miles; party VIII, 2 observers, 6 hours, 7 miles; party IX, 4 observers, 8½ hours, 9 miles; party X, 11 observers, 8½ hours, 10 miles; party XI, 5 observers by boat, 4 hours, 22 miles. **Total** miles afoot, 85½; total hours afoot, 76½; total miles by boat, 22; total hours by boat, 4; total observers, 50. Common Loon, 31; Red-throated Loon, 22; Horned Grebe, 10; Pied-billed Grebe, 1; Double-crested Cormorant, 7; Great Blue Heron, 22; Black-crowned Night Heron, 2; American Bittern, 1; Canada Goose, 14; Greater Snow Goose, 500; Mallard, 2; Black Duck, 4793; Scaup, 256; Golden-eye, 168; Buffle-head, 154; Oldsquaw, 514; White-winged Scoter, 81; Surf Scoter, 292; American Scoter, 198; Ruddy Duck, 4; American Merganser, 1; Red-breasted Merganser, 42; Turkey Vulture, 272; Goshawk, 1; Sharp-shinned Hawk, 13; Cooper's Hawk, 6; Red-tailed Hawk, 10; Red-shouldered Hawk, 9; Rough-legged Hawk, 2; Bald Eagle, 8; Marsh Hawk, 27; Sparrow Hawk, 17; Ruffed Grouse, 1; Bob-white, 9; Clapper Rail, 2; Killdeer, 27; Black-bellied Plover, 50; Woodcock, 1; Greater Yellow-legs, 1; Purple Sandpiper, 11; Red-backed Sandpiper, 3390; Western Sandpiper, 3; Sanderling, 95; Great Black-backed Gull, 38; Herring Gull, 6008; Ring-billed Gull, 570; Bonaparte's Gull, 37;

Forster's Tern, 1; Razor-billed Auk, 1; Mourning Dove, 39; Screech Owl, 2; Great Horned Owl, 6; Barred Owl, 1; Short-eared Owl, 2; Kingfisher, 3; Flicker, 11; Red-headed Woodpecker, 1; Hair Woodpecker, 9; Downy Woodpecker, 23; Northern Horned Lark, 277; Tree Swallow, 169; Blue Jay, 25; Crow, 3243; Fish Crow, 6; Carolina Chickadee, 61; Tufted Titmouse, 37; Red-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 4; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 6; Mockingbird, 2; Catbird, 3; Brown Thrasher, 4; Robin, 172; Hermit Thrush, 10; Bluebird, 47; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 2; Pipit, 6; Cedar Waxwing, 14; Starling, 903; Myrtle Warbler, 5730; Western Palm Warbler, 6; English Sparrow, 405; Meadowlark, 227; Red-wing, 2734; Rusty Blackbird, 16; Purple Grackle, 28; Cowbird, 1064; Cardinal, 63; Purple Finch, 9; Goldfinch, 245; Towhee, 43; Ipswich Sparrow, 4; Savannah Sparrow, 20; Sharp-tailed Sparrow, 5; Seaside Sparrow, 2; Vesper Sparrow, 2; Junco, 139; Tree Sparrow, 227; Chipping Sparrow, 1; Field Sparrow, 124; White-throated Sparrow, 167; Fox Sparrow, 18; Swamp Sparrow, 6; Song Sparrow, 152; Lapland Longspur, 4; Snow Bunting, 23. **Total**, 109 species; 34,325 individuals.—LAWRENCE CORN, JOSEPH JACOBS, JAMES WHITAKER, RICHARD MILLER, NORMAN McDONALD, DALE TWINING, DAVID WHITTEN, AMOS TAYLOR, CHARLES WUNDERLIE, JOHN HESS, ERNEST CHOATE, FRED SCHMID, COURTLAND WHITE, EDWARD WEHL, CHANDLER ROSS, RAYMOND JONES, ROBERT HAINES, TURNER McMULLEN, C. P. WARD, RICHARD DARBY, SAMUEL SCOVILLE, JR., HERBERT CUTLER, FLETCHER STREET, JOSEPH CADBURY, QUINTIN KRAMER, EVELYN KRAMER, HARRY GOLDSTEIN, JACK ORNETT, HARVEY MOORE, M. LINDAUER, JULIAN POTTER, EDWARD MARSHALL, WAYNE MARSHALL, DAVID MARSHALL, ALBERT LINTON, ALBERT CONWAY, ROBERT SEHL, GEORGE PYLE, FREDERICK ULMER, ROBERT GORDON, ALAN CRAWFORD, JR., FREDERICK COLWELL, EDWARD SIDDALL, JR., ROGER WHITWORTH, ARTHUR SIGMAN, JULIAN HILL, EDWARD REIMANN, CARL CALLOPY, GILBERT INGERSOLL, ROBERT NEWMAN (Delaware Valley Ornithological Club).

Essex County, N. J. (between upper Passaic River and Newark Bay, as in former years, 15-mile circle, center in Orange).—Dec. 22; 5.30 A.M. to 4.30 P.M. Clear; no snow; no wind to light in middle of day; temp. 40° at start, 42° at return. Twenty-seven observers in 11 parties. **Total** party hours, 71 (65 afoot, 6 by car); total party miles, 243 (102 afoot, 141 by car). Great Blue Heron, 1; Black-crowned Night Heron, 1; Mallard, 25; Red-legged and Common Black Duck, 1108; Pintail, 10; Green-winged Teal, 5; Scaup, 500; Golden-eye, 15; American Merganser, 75; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 12; Ruffed Grouse, 1; Pheasant, 16; Killdeer, 11; Woodcock, 1; Red-backed Sandpiper, 1; Great Black-backed Gull, 8; Herring Gull, 3283; Ring-billed Gull, 9; Bonaparte's Gull, 20; Mourning Dove, 1; Screech Owl, 2; Great Horned Owl, 4; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; Kingfisher, 4; Flicker, 6;

AUDUBON MAGAZINE

Red-headed Woodpecker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 39; Horned Lark, 69; Blue Jay, 112; Crow, 101; Black-capped Chickadee, 115; Tufted Titmouse, 62; White-breasted Nuthatch, 62; Brown Creeper, 17; Robin, 4; Bluebird, 1; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 1 (Clausen); Starling, 1693; Myrtle Warbler, 1; English Sparrow, 261; Meadowlark, 13; Red-wing, 11; Rusty Blackbird, 27; Grackle, 11; Cardinal, 16; Purple Finch, 27; Goldfinch, 68; Savannah Sparrow, 8; Junco, 148; Tree Sparrow, 554; Field Sparrow, 1; White-crowned Sparrow, 1 (Mr. and Mrs. Peloubet); White-throated Sparrow, 73; Fox Sparrow, 3; Swamp Sparrow, 13; Song Sparrow, 121; Lapland Longspur, 3. **Total**, 67 species and subspecies; 8809 individuals.—LEON BOWEN, CLARENCE D. BROWN, ROBERT CLAUSEN, KATHARINE COLLINS, MRS. HENRY L. DAVIS, JAMES L. EDWARDS, ALFRED E. EYNON, LOUIS HARDY, BESS HARING, SUZANNE HAUPT, RICHARD HONAMAN, EDWARD B. LANG, MR. and MRS. J. W. MORRISON, RICHARD MURRAY, MR. and MRS. S. W. PELOUBET, ARTHUR PETERSON, EMMA W. PROBASCO, SARA RAILING, GERBERT REBELL, JACK REYNOLDS, WILLIAM J. RUSLING, LLOYD SANDFORD, RUSSELL WEBSTER, DOROTHY WHEATLEY, FLOYD P. WOLFARTH (members Montclair Bird Club, Newark Museum Nature Club, Urner Ornithological Club).

Far Hills, N. J. (north to Ravine Lake and Mine Mount, south to Somerville).—Dec. 24; 6 to 11.30 A.M., 3 to 5 P.M. Clear; ground bare; wind light, westerly; temp. 34° at start, 45° at finish. Four observers, 3 working 2 hours each, alternately with fourth observer. Total miles, 45 (40 by car, 5 on foot); total hours, 7½. Great Blue Heron, 1; Black Duck, 6; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Great Horned Owl, 1; Downy Woodpecker, 2; Northern Horned Lark, 18; Blue Jay, 10; Crow, 40; Black-capped Chickadee, 6; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Bluebird, 1; Golden-crowned Kinglet, 2; Starling, 300; English Sparrow, 25; Cardinal, 8; Goldfinch, 4; Slate-colored Junco, 10; Tree Sparrow, 45; White-throated Sparrow, 1; Song Sparrow, 6. **Total**, 22 species; 499 individuals.—LOUISE and DRYDEN KUSER, SUZANNE KUSER, GABRIEL MATTEI.

Leonia, N. J. (Overpeck marshes and vicinity, all points within 7 miles of each other).—Dec. 27; 6 A.M. to 4 P.M. Overcast and drizzling in early morning, changing to partly cloudy later in the day; wind northeast, moderate; temp. 41° at start, 48° at return. Two observers together all day. Total party hours afield, 10. Total party miles, about 25 afoot. Red-legged (?) Black Duck, 22; Greater Scaup, 1; Golden-eye, 14; American Merganser, 7; Red-breasted Merganser, 1 (observed with 5 Americans and studied with 10X glasses—G. K. and W. J. N.); Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 1; Duck Hawk, 1; Sparrow Hawk, 3; Pheasant, 2; Great Black-backed Gull, 3; Herring Gull, 36; Rock Dove, 1; Barred Owl, 1; Kingfisher, 1; Downy Woodpecker, 3; Blue Jay, 4; Crow, 3; Tufted Titmouse, 3; White-breasted Nuthatch, 6; Brown Creeper, 2; Starling, 150 (est.);

English Sparrow, 40 (est.); Red-wing, 22; Red-eyed Towhee, 1; Slate-colored Junco, 70; Tree Sparrow, 220 (est.); Field Sparrow, 12; White-throated Sparrow, 85 (est.); Fox Sparrow, 5; Swamp Sparrow, 55; Song Sparrow, 120 (est.). **Total**, 34 species; approximately 900 individuals.—GEORGE KOMOROWSKI, WILLIAM J. NORSE.

Long Branch, N. J. (Oceanport to Wreck Pond).—Dec. 23; 7 A.M. to 5 P.M. Sunshine all day; northeast wind; no snow; ponds open; temp. 38° at start, 40° on return. Eight observers as follows: party I, 2 observers, 4 hours by car 15 miles, on foot 4 miles; party II, 2 observers, 4 hours by bicycle 10 miles; party III, 4 observers, 5 hours by car 30 miles, on foot 2 miles; party IV, 4 observers, 6 hours by car 36 miles; party V, 1 observer, 3 hours by car 20 miles, on foot 2 miles. Total party miles, 119; by car, 101; by bicycle, 10 miles; on foot, 8 miles. Total party hours, 22. Pied-billed Grebe, 1; Great Blue Heron, 3; Mallard, 10; Black Duck, 1050 (est.); European Widgeon, 1; Baldpate, 110; Redhead, 2; Scaup, 300 (est., both identified, but nearly all were Lesser); American Golden-eye, 15; Buffle-head, 10; King Eider, 5 (carefully studied Dec. 8 and at intervals before today—G. M. S.); Hooded Merganser, 1; American Merganser, 8; Red-breasted Merganser, 108; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Pheasant, 2; Coot, 17; Killdeer, 28; Black-backed Gull, 50; Herring Gull, 1400 (est.); Ring-billed Gull, 7; Bonaparte's Gull, 1; Kingfisher, 1; Flicker, 2; Downy Woodpecker, 1; Blue Jay, 7; Crow, 60 (est.); Carolina Chickadee, 21; Titmouse, 1; White-breasted Nuthatch, 2; Winter Wren, 1; Robin, 1; Bluebird, 7; Starling, 100 (est.); Myrtle Warbler, 200 (est.); English Sparrow, 80 (est.); Meadowlark, 1; Red-wing, 115 (est.); Cardinal, 12; Purple Finch, 1; Goldfinch, 13; Junco, 6; Tree Sparrow, 9; White-throated Sparrow, 15; Fox Sparrow, 1; Song Sparrow, 12. **Total**, 50 species; approximately 3803 individuals. Dec. 22: Wilson's Snipe, 1; Ruddy Duck, 1.—HENRY BENNETT, IRVING H. BLACK, MRS. MABEL BLACK, MARY BROWN, GEORGE M. SHELLEY, BETTY SHELLEY, MERVIL SHELLEY, ROBERT WOOD.

Mt. Holly, N. J. (7-mile radius).—Dec. 22, 6.45 to 10.15 A.M.; 1.30 to 4.30 P.M. Cloudy in morning; visibility poor; clearing in middle of day; temp. 40° at start, 45° at return. Observers together most of time. About 80 miles by auto and on foot. Great Blue Heron, 2; Mallard, 4; Black Duck, 12; American Golden-eye, 2; American Merganser, 45; Turkey Vulture, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Pheasant, 3; Herring Gull, 12; Ring-billed Gull, 1; Barn Owl, 2; Kingfisher, 3; Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 12; Crow, 5400 (est.); Carolina Chickadee, 6; Titmouse, 8; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 1; Robin, 4; Hermit Thrush, 1; Bluebird, 4; Golden-crowned Kinglet, 8; Starling, 185; Myrtle Warbler, 18; English Sparrow, 28; Meadowlark, 8; Red-wing, 18; Rusty Blackbird, 15; Purple Grackle, 1; Cardinal, 10; Goldfinch, 6; Junco, 110; Tree Sparrow, 23;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Field Sparrow, 2; White-throated Sparrow, 18; Song Sparrow, 4. **Total**, 45 species; about 6003 individuals.—NELSON D. W. PUMYEA, ELMER E. HIGHLEY, J. RUSSELL SPROW.

Princeton, N. J. (within an 8-mile diameter).—Dec. 22; 7 A.M. to 6 P.M. Clear, becoming cloudy with some light rain in P.M.; ground bare; streams open, ponds mostly open; wind moderate, southwest; temp. 40°. Five observers in 4 parties. Total party hours, 38 (afoot but for a few minutes after dark); total party miles, 35½ (30½ afoot, 5 by car). Canada Goose, 60; Mallard, 45; Black Duck, 13; Baldpate, 13; Lesser Scaup, 1c; American Merganser, 8; Cooper's Hawk, 3; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk 1; Herring Gull, 24; Mourning Dove, 4; Long-eared Owl, 1; Flicker, 5; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 19; Horned Lark, 2; Blue Jay, 68; Crow, 290; Fish Crow, 1; Black-capped Chickadee, 1 (identified by call only—F. W. L.); Carolina Chickadee, 13; Tufted Titmouse, 75; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 5; Brown Creeper, 5; Bluebird, 5; Golden-crowned Kinglet, 25; Cedar Waxwing, flock of several; Starling, 431; Myrtle Warbler, 22; English Sparrow, 137; Red-wing, 5; Cardinal, 24; Purple Finch, 13; Goldfinch, 32; Pine Siskin, 5; Junco, 116; Tree Sparrow, 141; Field Sparrow, 7; White-throated Sparrow, 33; Swamp Sparrow, 3; Song Sparrow, 43. **Total**, 47 species; about 1780 individuals.—H. V. COBS, JR., E. H. GIES, F. W. LOETSCHER, JR., C. H. ROGERS, A. L. SHINN.

Raritan Estuary, N. J. (7½-mile radius from Bonhamtown, excluding Staten Island).—Dec. 22; 5 A.M. to 5 P.M. Partly cloudy; traces of snow and thin ice in sheltered places; ground soft; wind west, light at start, freshening to 15-20 m.p.h.; temp. 36° at start, 45° in P.M. Eight observers in parties of 1 and 2. Total party hours, 57; total party miles on foot, 51. Black Duck (both forms), 184; Greater Scaup, 1020; Lesser Scaup, 60; Golden-eye, 70; Buffle-head, 13; Old-squaw, 14; American Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 12; Pheasant, 5; Killdeer, 4; Herring Gull, 85; Ring-billed Gull, 1; Rock Dove, 12; Mourning Dove, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Short-eared Owl, 4; Kingfisher, 2; Flicker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 14; Northern Horned Lark, 91; Prairie Horned Lark, 3; Blue Jay, 79; Crow, 540 (daytime), 2200 (est. in roost); Fish Crow, 1; Black-capped Chickadee, 44; Carolina Chickadee, 1; Titmouse, 38; White-breasted Nuthatch, 19; Brown Creeper, 4; Winter Wren, 2; Hermit Thrush, 2; Bluebird, 3; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1 (Stevens); Starling, 4300 (daytime), 90,000 (est. in roost); Myrtle Warbler, 66; English Sparrow, 207; Meadowlark, 3; Red-wing, 120 (daytime), 70,000 (est. in roost); Rusty Blackbird, 13; Purple and Bronzed Grackle, 1100 (daytime), 45,000 (est. in roost); Cowbird, 11 (daytime), 15,000 (est. in roost); Cardinal, 14; Purple Finch, 7; Goldfinch, 42; Red-eyed Towhee, 1; Savannah Sparrow, 6; Slate-colored Junco, 76;

Tree Sparrow, 337; White-throated Sparrow, 4; Fox Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 91. **Total**, 64 species; 8775 individuals, daytime; approximately 224,904 individuals, including roost.—FRANK BARTHEL, GILBERT CANT, DAVID FABLES, GEORGE T. HUGHES, JOHN T. S. HUNN, EDWIN I. STEARNS, JOHN P. STEVENS, JR.

Ridgewood, N. J. (Pompton Lake to Oradell Reservoir; lakes, reservoir, brooks, fields, woods, farms, orchards, feeding stations).—Dec. 26; 7:30 A.M. to 5 P.M. Cloudy in A.M.; light rain in P.M.; no wind; temp. 28° at start, 40° at return. Twenty-two observers working in 6 parties. Total party hours afield, 32 (26 afoot, 6 by car); total party miles, 135 (35 afoot, 100 by car). Great Blue Heron, 1; Mallard, 20; Black Duck, 303; Baldpate, 1; Green-winged Teal, 73; Golden-eye, 4; Hooded Merganser, 11; American Merganser, 28; Red-breasted Merganser, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; Bob-white, 2; Pheasant, 6; Herring Gull, 28; Ring-billed Gull, 3; Mourning Dove, 2; Kingfisher, 1; Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Horned Lark, 55; Tree Swallow, 36 (flying together over Oradell Reservoir and observed at close range—Nichols, Evans, Sedgewick); Blue Jay, 97; Crow, 21; Black-capped Chickadee, 63; Titmouse, 28; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 2; Robin, 2; Bluebird, 4; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 3 (Evans, Sedgewick, Mrs. Adams, Mr. and Mrs. C. K. Nichols); Starling, 550+; Myrtle Warbler, 21; English Sparrow, 400+; Purple Grackle, 7; Cardinal, 2; Purple Finch, 37; Goldfinch, 48; Slate-colored Junco, 126; Tree Sparrow, 167; Field Sparrow, 2; White-throated Sparrow, 34; Fox Sparrow, 7; Swamp Sparrow, 1; Song Sparrow, 29. **Total**, 50 species; approximately 2283 individuals.—MRS. F. G. DUNHAM, MRS. E. C. SHERWOOD, MRS. R. H. BAKER, MRS. I. J. ADAMS, MRS. H. W. CANNON, MRS. J. VAN SAUN, MRS. A. W. WALTER, ANN DUNHAM, DORIS STONE, MRS. E. M. LILLY, MRS. W. W. WOOTTON, MRS. H. A. LAMPE, MRS. C. N. HOPPER, MRS. E. V. ROMAINE, MRS. L. B. PARSONS, MRS. F. J. MCKENNA, MRS. C. J. FLEISCHMAN, MRS. S. A. CARLSON, MR. AND MRS. C. K. NICHOLS, R. EVANS, G. SEDGEWICK (Ridgewood Audubon Society).

Sparta, N. J. (open fields bordering oak-hemlock forest).—Dec. 22; 5:30 A.M. to 1 P.M. Clear and calm at start, changing to driving rain and snow by noon; wind northwest; lake frozen except at mouth of source; temp. 40°. Single observer, 12 miles on foot, 25 by car. Black Duck, 5; Great Horned Owl, 6; Downy Woodpecker, 4; Crow, 10; Black-capped Chickadee, 30; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 2; Starling, 45; English Sparrow, 20; Pine Siskin, 37; Goldfinch, 55; Towhee, 1; Slate-colored Junco, 7; Tree Sparrow, 35; Song Sparrow, 3. **Total**, 17 species; 264 individuals.—BENJAMIN C. HIATT.

Bedford County, Pa. (Alum Bank to Osterburg; maple-oak-hickory-scrub-pine woods, old fields, thickets, etc.).—Dec. 22; 4:30 A.M. to

AUDUBON MAGAZINE

4.30 P.M. Clear; ground free of snow; wind light, northwest; temp. 24° at start, 38° at return. About 25 miles by car, about 12 miles on foot; total hours afoot, 8. Observers together. Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 6; Bob-white, 2; Screech Owl, 1; Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 14; Crow, 20; Chickadee, 8; Tufted Titmouse, 30; White-breasted Nuthatch, 16; Brown Creeper, 3; Bluebird, 2; Golden-crowned Kinglet, 16; Starling, 26; English Sparrow, 130; Cardinal, 5; Goldfinch, 36; Junco, 4; Tree Sparrow, 84; Song Sparrow, 1. **Total, 24 species; 411 individuals.**—DAVID and RALPH BERKHEIMER.

Deer Creek (Allegheny Co.), Pa. (Denny's Pond to Carson's, both sides of the creek; surrounding territory covered by one party with a car totaling 32 miles, with side trips on foot).—Dec. 29; 8 A.M. to 2.30 P.M. Cloudy; drizzling rain part of the time; no wind; temp. 50°. Fourteen observers working in 4 parties. Total party hours afoot, 20 (18 afoot, 2 by car); total party miles, 52 (20 afoot, 32 by car). Lesser Scaup, 1; Cooper's Hawk, 1; Rock Dove, 40; Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 21; Prairie Horned Lark, 1; Crow, 6; Chickadee, 11; Tufted Titmouse, 36; White-breasted Nuthatch, 22; Carolina Wren, 3; Starling, 17; English Sparrow, 26; Meadowlark, 1 (C. R. and C. H. Manley); Red-wing, 20; Cardinal, 45; Goldfinch, 50; Towhee, 4; Slate-colored Junco, 155; Tree Sparrow, 143; Field Sparrow, 5 (P. T. Stroup, C. H. Manley); Song Sparrow, 53. **Total, 23 species; 666 individuals.** Red-wings observed by the whole party at foot of Denny's pond.—F. S. BENNETT, H. B. STERE, JACK DEVINE, ROBERT DELASIN, LARUE PATTERSON, MATILDA LIMPET, LAURA FINK, MARIE WALKER, FRED ABRAHAM, C. S. TAYLOR, P. T. STROUP, H. H. HARRISON, C. R. MANLEY, JR., C. H. MANLEY.

Elverson (Chester Co.), Pa. (an area within a 7½-mile radius drawn from Marsh in East Nantmeal Township; circumference touches boundaries of the West Chester and Reading censuses, but the territories do not overlap; elevation from 300 to 1000 feet; heavily wooded, hilly territory, farmland, 2 extensive marshes, and a large dam).—Dec. 29; 8 A.M. to 6.30 P.M. Light rain in morning with intermittent heavy downpour; afternoon partly clear, with rain toward evening; easterly wind, strong in afternoon; temp. 42° to 52°. Eleven observers working in 3 parties. Total party hours, 30 (23 afoot, 7 by car); total party miles, 172 (27 afoot, 145 by car). Canada Goose, 4; Mallard, 5; Black Duck, 9; American Merganser, 35; Turkey Vulture, 39; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 7; Pheasant, 17; Bob-white, 5; Herring Gull, 2; Rock Dove, 17; Mourning Dove, 25; Screech Owl, 1; Great Horned Owl, 1; Long-eared Owl, 1; Kingfisher, 4; Flicker, 25; Hairy Woodpecker, 12; Downy Woodpecker, 39; Horned Lark, 125; Blue Jay, 72; Crow, 3200; Black-capped Chickadee, 20; Titmouse, 44; White-breasted Nuthatch, 28; Brown Creeper, 5; Winter Wren, 1; Robin, 4;

Bluebird, 1; Starling, 688; English Sparrow, 260; Red-wing, 63; Rusty Blackbird, 60; Purple (?) Grackle, 2; Cowbird, 3; Cardinal, 35; Purple Finch, 10; Goldfinch, 301; Junco, 252; Tree Sparrow, 767; Field Sparrow, 1; White-throated Sparrow, 2; Song Sparrow, 77. **Total, 49 species; 6291 individuals.**—F. A. COLWELL, EDWARD SIDDALL, JR., H. A. HOUSTON, J. A. CHISHOLM, WILMER BRITTON, JR., A. T. SIGMAN, F. C. MURRAY, W. J. HOUCK, F. L. NEWMAN, G. W. PYLE, A. E. CONWAY.

Glenolden, Pa. (to Hog Island, Tinicum, Springtown Dam, Crum Creek and Swarthmore).—Dec. 22; 6.30 A.M. to 5 P.M. Partly cloudy; wind light, west; temp. 45° at start, 50° at return. Ten observers working in 5 groups. Total party hours afoot, 22 (15 afoot, 7 by car); total party miles, 113 (28 afoot, 85 by car). Common Loon, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; Canada Goose, 21; Mallard, 40; Black Duck, 300; Pintail, 30,000 (est.); Ring-necked Duck, 7; Scaup, 12; Hooded Merganser, 5; American Merganser, 60; Red-breasted Merganser, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 14; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 9; Ring-necked Pheasant, 5; Killdeer, 6; Herring Gull, 50; Ring-billed Gull, 90; Rock Dove, 20; Mourning Dove, 2; Barn Owl, 1; Screech Owl, 2; Long-eared Owl, 4; Belted Kingfisher, 2; Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 10; Horned Lark, 56; Blue Jay, 33; Crow, 574; Tufted Titmouse, 20; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 5; Winter Wren, 3; Carolina Wren, 3; Robin, 1; Hermit Thrush, 1; Bluebird, 5; Golden-crowned Kinglet, 9; Pipit, 10; Starling, 325; Myrtle Warbler, 2; Yellow-throat, 1 (John Gillespie, W. B. Wright); English Sparrow, 10; Meadowlark, 36; Red-wing, 1000 (est.); Rusty Blackbird, 400 (est.); Purple Grackle, 40; Cardinal, 39; Purple Finch, 3; Goldfinch, 42; Towhee, 1; Savannah Sparrow, 5; Slate-colored Junco, 60; Tree Sparrow, 312; Field Sparrow, 6; White-throated Sparrow, 42; Fox Sparrow, 3; Swamp Sparrow, 13; Song Sparrow, 115; Lapland Longspur, 1 (J. and T. Rigby, C. E. Price, Jr.). **Total, 67 species; approximately 33,783 individuals.**—ANNA DEBES, V. A. DEBES, MABEL B. GILLESPIE, JOHN GILLESPIE, JOHN A. GILLESPIE, W. B. MACKY, C. E. PRICE, JR., JAMES RIGBY, TED RIGBY, W. B. WRIGHT.

Harrisburg, Pa. (and vicinity: Marsh Run, Pine Hill Arboretum, Wildwood Park, Susquehanna River; much the same territory as last four years; marshes, swamps, old fields, farmland, woods, and lake; not exceeding 15-mile diameter).—Dec. 24; 7.15 A.M. to 5.15 P.M. Fair; very light southeast wind; temp. 20° at start, 41° at return. Two observers working mostly together. Total party hours afoot, 12½ (10 afoot, 2½ by car); total party miles, 58 (7 afoot, 51 by car). Whistling Swan, 3; Mallard, 166; Common and Red-legged Black Duck, 247; Baldpate, 4; Pintail, 7; Blue-winged Teal, 1; Lesser Scaup, 11; American Golden-eye, 5; Buffle-head, 1; Hooded Merganser, 2; American Merganser, 25; Goshawk, 1 (imm.); Cooper's Hawk, 1; Rough-legged Hawk, 1; Bob-

FORTY-FIRST CHRISTMAS BIRD CENSUS

white, 12 (covey); Ring-necked Pheasant, 11; Herring Gull, 2; Rock Dove, 10; Screech Owl, 1 (dead); Hairy Woodpecker, 2; Downy Woodpecker, 14; Crow, 60,000+ (est., streaming into roost from four directions); Chickadee, 4; Tufted Titmouse, 30; White-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 2; Hermit Thrush, 2; Bluebird, 6; Golden-crowned Kinglet, 12; Cedar Waxwing, 1; Starling, 600+; English Sparrow, 80+; Meadowlark, 1; Cardinal, 33; Goldfinch, 15; Junco, 59; Tree Sparrow, 220; White-throated Sparrow, 3; Song Sparrow, 32. **Total**, 41 species; approximately 61,654 individuals.—EDWARD S. FREY, WALTER V. KOHLER.

Lancaster, Pa. (Slackwater, along stream and lake above dam; woods, fields, meadows, and woodsides; pine and larch woods near Martic Forge; Hammer Creek valley).—Dec. 22; 8 A.M. to 5 P.M. Cloudy; light southwest wind; temp. 28° at start, 58° at return. Eleven observers working in 3 parties. Total party hours afield, 15 (11 afoot, 4 by car); total party miles, 68½ (18½ afoot, 50 by car). American Merganser, 2; Turkey Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 43; Herring Gull, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Flicker, 2; Downy Woodpecker, 9; Blue Jay, 10; Crow, 228; Black-capped Chickadee, 6; Tufted Titmouse, 40; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 8; Brown Creeper, 1; Bluebird, 3; Golden-crowned Kinglet, 2; Starling, 388; English Sparrow, 122; Cardinal, 7; Purple Finch, 2; Goldfinch, 62; Slate-colored Junco, 116; Tree Sparrow, 118; Song Sparrow, 18. **Total**, 30 species; 1209 individuals.—MRS. C. Y. TANGER, MRS. WM. MYERS, RUTH SENER, B. L. SHARP, WILLIAM LIGHT, PAUL FORMAN, EUGENE FORMAN, DONALD GARNER, ROBERT STAUFFER, MR. and MRS. MENNO ROHRER (Lancaster County Bird Club).

Penn Manor Region, Pa. (15-mile diameter section of Delaware watershed, on both sides of river, Morrisville, Pa., to Beverly, N. J.; marshes, creek valleys, lakes, ponds, fields, woods, evergreen plantation and game refuge).—Dec. 29; 1 A.M. to 5 P.M. Foggy with intermittent drizzle and downpour in morning, cloudy in afternoon; 10-mile east by northeast wind; temp. 48° at 1 A.M., 50° at 6 A.M., 60° from noon on. Eighteen observers working in 6 parties. Total party hours afield, 75 (56 on foot, 19 by car); total party miles, 311 (92 afoot, 219 by car). Pied-billed Grebe, 2; Great Blue Heron, 21; Black-crowned Night Heron, 4; Mallard, 1000 (est.); Common and Red-legged Black Duck, 1900 (est., several of each definitely separated); Baldpate, 5; Pintail, 800 (est.); Green-winged Teal, 4; Shoveller, 1; Wood Duck, 14; Ring-necked Duck, 9; Scaup, 6; Golden-eye, 3; Ruddy Duck, 1; American Merganser, 550; Red-breasted Merganser, 1 (♂—Carr, Elliot); Turkey Vulture, 4; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Marsh Hawk, 3; Duck Hawk, 2; Sparrow Hawk, 23; Pheasant, 4; Coot, 6; Killdeer, 1; Wilson's Snipe, 3; Herring Gull, 187; Ring-billed Gull, 28; Rock Dove, 70; Mourning Dove, 8; Screech Owl, 2 (heard); Great Horned Owl, 1 (heard, 3 A.M.); Kingfisher, 3;

Flicker, 15; Red-headed Woodpecker, 5 (4 adults, 1 imm.); Hairy Woodpecker, 14; Downy Woodpecker, 51; Horned Lark, 16; Blue Jay, 63; Crow, 1200 (est.); Fish Crow, 8; Black-capped and Carolina Chickadee, 98 (several of each specifically identified); Tufted Titmouse, 96; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 2; Catbird, 1; Robin, 8; Bluebird, 3; Golden-crowned Kinglet, 8; Pipit, 11; Cedar Waxwing, 1; Migrant Shrike, 1 (Highley, Sparrow); Starling, 2328; Blue-headed Vireo, 1 (observed through 8× binoculars at 15 ft. by Clark; eye-ring, wing-bars and bluish-gray head carefully checked); Myrtle Warbler, 5; Yellow Palm Warbler, 1 (Clark); English Sparrow, 315; Meadowlark, 41; Red-wing, 48; Grackle, 15; Cowbird, 8; Cardinal, 95; Purple Finch, 7; Goldfinch, 89; Towhee, 4; Savannah Sparrow, 2; Vesper Sparrow, 1 (McNeill, Sivel); Junco, 502; Tree Sparrow, 1400 (est.); Field Sparrow, 54; White-throated Sparrow, 79; Fox Sparrow, 6; Swamp Sparrow, 3; Song Sparrow, 191; Snow Bunting, 1 (McNeill, Sivel). **Total**, 81 species and subspecies; 11,552 (est.) individuals.—RICHARD DARBY, C. F. ELLIOT, JOHN ARNETT, JR., ANTHONY CLARK, J. T. MCNEILL, C. J. MCFADDEN, ELMER HIGHLEY, J. R. SPROW; also, WILLIAM CARR, R. F. MILLER, JOHN BARTSCH, GEORGE SIVEL, ROBERT NEWMAN (Miller Ornithological Club); WESLEY ATKINS, R. W. WILCOX, STELLA WILCOX, WILLIAM DIX, DONALD BAIER (Trenton Naturalist's Club).

Philadelphia Region, Pa. (same area as in previous years).—Dec. 25; 4.30 A.M. to 5 P.M. Fog in early morning; hazy all day with a cloudless sky; no wind; temp. 28° low, 55° high; ground covered with heavy hoar frost in A.M. Total miles afield, 176 (85 by foot, 91 by car); total party hours afield, 68. Two parties of 2 together, others separated. Great Blue Heron, 2; Mallard, 71; Black Duck, 5000 (est.); Baldpate, 4; Pintail, 1204; Wood Duck, 3; Scaup, 6; American Golden-eye, 9; American Merganser, 87; Red-breasted Merganser, 7; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Duck Hawk, 1; Sparrow Hawk, 15; Pheasant, 18; Killdeer, 2; Herring Gull, 690; Ring-billed Gull, 63; Rock Dove, 15; Mourning Dove, 21; Barn Owl, 1; Screech Owl, 2; Long-eared Owl, 5; Short-eared Owl, 3; Kingfisher, 5; Flicker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 37; Horned Lark, 42; Blue Jay, 62; Crow, 438; Black-capped Chickadee, 8; Carolina Chickadee, 4; Tufted Titmouse, 118; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 2; Brown Creeper, 4; Carolina Wren, 2; Catbird, 1; Brown Thrasher, 2; Robin, 5; Hermit Thrush, 2; Bluebird, 3; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 3; Starling, 564; English Sparrow, 275; Meadowlark, 6; Red-wing, 10; Rusty Blackbird, 2; Grackle, 2; Cardinal, 54; Purple Finch, 14; Pine Siskin, 50; Goldfinch, 50; Red Crossbill, 4; Towhee, 1; Junco, 228; Tree Sparrow, 132; Field Sparrow, 7; White-throated Sparrow, 94; Swamp Sparrow, 4; Song Sparrow, 141. **Total**, 68 species; approximately 9661 individuals.—JOHN B. BARTSCH, WILLIAM F. CARR, CARL R. COLLOPY, LAWRENCE CORN, JOSEPH

AUDUBON MAGAZINE

JACOBS, HERBERT S. CUTLER, ROBERT HAINES, WILLIAM JAY, JEROME KESSLER, MILLARD LINDAUER, RICHARD F. MILLER, EDWARD J. REIMANN, R. DALE TWINING, DAVE WHITTEN.

Pittsburgh, Pa. (Emsworth, McKeesport, Frick Park, Fox Chapel, Millvale).—Dec. 22; 8 A.M. to 3 P.M. Cloudy; light wind; ground bare; temp. 32° at start, 45° at return. Observers in 6 parties as follows: party I, 5 hours, 5 miles; party II, 1 hour, 1 mile; party III, 5 hours, 5 miles; party IV, 1 hour, 1 mile; party V, 8 hours, 13 miles; party VI, 2 hours, 2 miles. Total hours, 21; total miles on foot, 28. Cooper's Hawk, 1; Red-shouldered Hawk, 1; Ring-necked Pheasant, 7; Screech Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 20; Crow, 10; Chickadee, 24; Tufted Titmouse, 37; White-breasted Nuthatch, 20; Brown Creeper, 2; Winter Wren, 3; Catbird, 1; Northern Shrike, 1; Starling, 74; English Sparrow, 90; Cardinal, 70; Goldfinch, 10; Slate-colored Junco, 49; Tree Sparrow, 75; Song Sparrow, 27. **Total, 21 species; 527 individuals.**—MARIE KNAUZ, ELIZABETH MCLELLAN, DOROTHY AUERSWALD, CARL AUERSWALD, L. F. SAVAGE, ROBERT LEHMAN, JOHN URAVISH, FRANCIS URAVISH, C. B. SHOEMAKER.

Reading, Pa. (radius of 7½ miles from city).—Dec. 22; 7.30 A.M. to 4 P.M. Partly cloudy; light rain in afternoon; ground bare; wind northwest; temp. 39° at start, 45° at return. By automobile and afoot. Observers in 5 groups. Horned Grebe, 2; Mallard, 200 (est.); Black Duck, 700 (est.); Red-legged Black Duck, 800 (est.); Baldpate, 8; Pintail, 80; Green-winged Teal, 120; Shoveller, 1; Golden-eye, 4; Hooded Merganser, 1; American Merganser, 124; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 18; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 12; Ring-necked Pheasant, 71; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 4; Long-eared Owl, 1; Belted Kingfisher, 2; Flicker, 1; Downy Woodpecker, 16; Blue Jay, 18; Crow, 695; Fish Crow, 2; Chickadee, 13; Tufted Titmouse, 22; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Mockingbird, 1; Robin, 1; Bluebird, 4; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 3; Starling, 33,738 (est.); Myrtle Warbler, 1; English Sparrow, 225; Red-wing, 50; Purple Grackle, 51; Cowbird, 112; Cardinal, 24; Purple Finch, 1; Pine Siskin, 23; Goldfinch, 35; Towhee, 1; Junco, 198; Tree Sparrow, 110; Field Sparrow, 1; White-throated Sparrow, 11; Swamp Sparrow, 6; Song Sparrow, 44. **Total, 58 species; approximately 37,619 individuals.**—MAX BERGENDAH, ANNA DEETER, MARY DEETER, STEWART DREIBELBS, JOHN ESHELMAN, MARTIN ESHELMAN, WILLIAM HESTER, EDWIN HILL, JAMES HOLZMAN, PAUL JENSEN, PAUL MARTIN, EARL POOLE, HARRIET STAPLETON, MARTIN STAPLETON, SAMUEL WISHNIEWSKI, RALPH YERGER (members Baird Ornithological Club).

Scranton, Pa. (Susquehanna River valley, from Coxton to Tunkhannock, including Lake Carey, Lake Winola and the valley of Gardner's Creek; open fields, wooded hillsides, river banks, ravines, etc.).—Dec. 29; 9.45 A.M. to 5 P.M.

Ground bare; entirely overcast with heavy recurrent showers all day; temp. 50° at start, 52° at return. Observers mostly together. Total mileage by motor, 80; miles on foot, 5-6. American Merganser, 4; Sparrow Hawk, 1; Ruffed Grouse, 3; Belted Kingfisher, 1; Downy Woodpecker, 3; Blue Jay, 4; Crow, 11; Black-capped Chickadee, 10; Starling, 16; English Sparrow, 20; Goldfinch, 1; Junco, 25; Tree Sparrow, 65; Song Sparrow, 4. **Total, 14 species; 168 individuals.** On Christmas Day, same territory, a flock of 25 Pine Grosbeaks were watched through binoculars for half hour.—M. J. KELLEY, MR. and MRS. FRANCIS H. COFFIN (members Scranton Bird Club).

Sewickley, Pa. (Raccoon and Big Traverse Creeks).—Dec. 22; 10.30 A.M. to 4.30 P.M. Fair at start, cloudy later; ground bare; temp. 30° at start, 45° at finish. Fourteen miles. Mourning Dove, 3; Grouse, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 2; Carolina Chickadee, 4; Black-capped Chickadee, 31; Tufted Titmouse, 11; White-breasted Nuthatch, 7; English Sparrow, 50; Starling, 40; Cardinal, 22; Goldfinch, 1; Junco, 70; Tree Sparrow, 150; Song Sparrow, 5. **Total, 15 species; 403 individuals.**—FRANK A. HEGER.

State College, Pa. (north to Scotia, south to Musser's Gap and Shingletown Gap, and east to Lemont; woods, fields, and pond).—Dec. 22; 8.30 A.M. to 5 P.M. Cloudy, temp. 35° at start, 45° at return. Six observers in 3 parties. Total party hours afield, 10½ (5½ afoot, 5 by car); total party miles, 53 (45 by car, 8 afoot). Mallard, 36 (approx. 12 tame ones); Black Duck, 2; Baldpate, 1; Pintail, 1; Green-winged Teal, 6; Marsh Hawk, 1; Ruffed Grouse, 7; Screech Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Crow, 25; Black-capped Chickadee, 21; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 3; Starling, 42; English Sparrow, 197; Cardinal, 9; Goldfinch, 33; Slate-colored Junco, 7; Tree Sparrow, 3; Fox Sparrow, 1; Song Sparrow, 5. **Total, 23 species; 407 individuals.**—MRS. ARTHUR COWELL, DAVID COWELL, DR. H. B. CURRY, RAY SMITH, HUBERT SNYDER, DR. RICHARD L. WEAVER.

Warren, Pa. (same area as covered last year: from Dougherty Run, 4 miles north of Warren, following the Conewango Creek to Rhine Run, then up and along ridge, across woods and meadows to Jackson Run and North Warren and return to Dougherty Run).—Dec. 22; 8.15 A.M. to 4.15 P.M. Overcast; light snow till 1.30, misty rain thereafter; no wind; temp. 34° at start, 36° at return. One observer. Total miles afoot, 10; total hours afoot, 8. Sparrow Hawk, 1; Ruffed Grouse, 4; Herring Gull, 7; Downy Woodpecker, 4; Blue Jay, 5; Black-capped Chickadee, 37; White-breasted Nuthatch, 8; Brown Creeper, 2; Starling, 25; English Sparrow, 42; Cardinal, 8; Goldfinch, 39; Junco, 8; Tree Sparrow, 54; Song Sparrow, 2. **Total, 15 species; 246 individuals.**—HARRIS E. JOHNSON.

West Chester, Pa. (complete coverage of an area limited by a radius of 7½ miles from town).—Dec. 27; 7 A.M. to 5.30 P.M. Sky heavily overcast, with light mist in morning and late afternoon; ground bare; light east wind; temp. 42° to 52°.

FORTY-FIRST CHRISTMAS BIRD CENSUS

Twenty-seven observers in 7 parties. Total party hours afield, 47¾ (34½ by foot, 13¼ by car); total party miles, 273 (43½ afoot, 229½ by car). Horned Grebe, 1; Mallard, 77; Black Duck, 5; Ring-necked Duck, 4; American Merganser, 4; Turkey Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Sparrow Hawk, 8; Bob-white, 1; Ring-necked Pheasant, 7; Rock Dove, 33; Mourning Dove, 5; Screech Owl, 2; Long-eared Owl, 6; Kingfisher, 7; Flicker, 16; Red-bellied Woodpecker, 1 (Goodwin, *et al.*); Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 20; Downy Woodpecker, 78; Phoebe, 1 (Newman, *et al.*); Blue Jay, 168; Crow, 2783; Chickadee (sp.), 29; Titmouse, 130; White-breasted Nuthatch, 90; Brown Creeper, 8; Winter Wren, 4; Carolina Wren, 7; Mockingbird, 1 (Colwell, *et al.*); Robin, 6; Bluebird, 8; Cedar Waxwing, 4; Starling, 1909; English Sparrow, 672; Meadowlark, 10; Red-wing, 1; Purple Grackle, 1; Cardinal, 90; Purple Finch, 57; Goldfinch, 136; Towhee, 1 (Conway, Kester); Junco, 740; Tree Sparrow, 696; Field Sparrow, 7; White-throated Sparrow, 35; Swamp Sparrow, 2; Song Sparrow, 172. **Total**, 50 species; about 8053 individuals.—R. L. LLOYD, ARTHUR SIGMAN, MRS. ISAAC G. ROBERTS, ALICE W. SWAYNE, MABEL A. GRIFFITH, F. A. COLWELL, ROBERT SEHL, EDWARD SIDDALL, JR., FRANCIS NEWMAN, FRANCES L. GROFF, MARIAN A. THATCHER, MARY A. SHARPLES, MR. and MRS. JOSEPH COPE, ANNA P. and FLORENCE E. JAMES, MRS. RICHARD DUTTON, MARGARET S. GOODWIN, MRS. LEWIS MARSHALL, MRS. ABNER FEW, MRS. C. EDGAR COPE, ARTHUR HOOPES, GEORGE W. PYLE, HELEN E. and GERTRUDE RHODES, DOROTHY L. KESTER, ALBERT E. CONWAY (West Chester Bird Club).

Wyncote, Pa. (within prescribed limits, to Chestnut Hill, Roxborough, Trevoe, Prospectville and Cheltenham).—Dec. 22; 6:30 A.M. to 5:15 P.M. Morning clear, cloudy after noon, few raindrops; ground bare; south wind, veering to northwest and strengthening; temp. 34° at start, 44° at return. Observers in groups as follows: party I, 4 observers, 9 hours, 9 miles; party II, 5 observers, 6 hours, 5 miles; party III, 3 observers, 6 hours, 5 miles; party IV, 4 observers, 11 hours, 23 miles; party V, 3 observers, 5 hours, 4 miles; party VI, 2 observers, 4½ hours, 3 miles. Total miles afoot, 49; total hours afoot, 41½. Black Duck, 1; American Merganser, 3; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 ("close and unmistakable,"—A. M. C., I. S.); Sparrow Hawk, 8; Bob-white, 2; Ring-necked Pheasant, 35; Herring Gull, 2; Mourning Dove, 29; Screech Owl, 3; Long-eared Owl, 2; Belted Kingfisher, 2; Flicker, 12; Hairy Woodpecker, 6; Downy Woodpecker, 44; Blue Jay, 130; Crow, 698; Black-capped Chickadee, 5; Tufted Titmouse, 81; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 2; Brown Creeper, 11; Winter Wren, 5; Carolina Wren, 1; Robin, 1; Golden-crowned Kinglet, 66; Cedar Waxwing, 5; Starling, 954; Myrtle Warbler, 2; English Sparrow, 206; Purple Grackle, 50 (a flock wintering near ungathered corn); Cardinal, 116; Purple Finch, 16; Pine

Siskin, 253; Goldfinch, 49; Red-eyed Towhee, 2; Slate-colored Junco, 634; Tree Sparrow, 238; Field Sparrow, 25; White-throated Sparrow, 264; Fox Sparrow, 4; Song Sparrow, 78. **Total**, 45 species; 4085 individuals.—ANTHONY M. CLARK, HENRY BELL, JR., JOHN DORNAN, FRED R. ELLIS, ROBERT ELLIS, T. RUSSELL FRANK, WM. W. FRECH, WM. FRICKE, MRS. E. S. GRISCOM, JAY V. HARE, FRANK HASTINGS, ARNOLD MOORE, EDWARD H. PARRY, J. FOLSOM PAUL, WM. PEPPER, JR., MR. and MRS. M. M. SMITH, ISAAC STARR, J. C. TRACY (members Wyncote Bird Club).

Bombay Hook National Wildlife Refuge (Kent Co.), Del. (an area with a radius of roughly 7 miles covering the central part of Kent County with the refuge as a nucleus; cultivated farmland, hedgerows, wooded lowlands, upland refuge area, salt marsh, and tidal streams).—Dec. 29; 6 A.M. to 4:30 P.M. Dense fog and light rain in early morning, clearing at 9:30, slightly cloudy till dark; wind southwest; temp. 64° maximum, 50° minimum. Twenty observers working in 7 parties. Total party hours afield, 38 (25 afoot, 5 by boat, 8 by car); total party miles, 183 (31 afoot, 36 by boat, 116 by car). Great Blue Heron, 20; Black-crowned Night Heron, 125; American Bittern, 2; Canada Goose, 36; Snow Goose, 11,000 (3 large flocks est.); Mallard, 31; Black Duck, 6120; Gadwall, 3; Baldpate, 69; Pintail, 247; Green-winged Teal, 345; Blue-winged Teal, 8; Shoveller, 413; Ring-necked Duck, 69; Greater Scaup, 157; Lesser Scaup, 5; American Goldeneye, 5; Buffle-head, 4; American Scoter, 11; White-winged Scoter, 1; Ruddy Duck, 2; Hooded Merganser, 16; American Merganser, 273; Red-breasted Merganser, 2; Turkey Vulture, 361; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; Rough-legged Hawk, 8; Bald Eagle, 4; Marsh Hawk, 33 (very abundant); Duck Hawk, 2; Sparrow Hawk, 35; Bob-white, 27; Ring-necked Pheasant, 5; Coot, 7; Killdeer, 92; Lesser Yellow-legs, 14; Herring Gull, 286; Ring-billed Gull, 10; Mourning Dove, 14; Great Horned Owl, 1; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Flicker, 9; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue Jay, 5; Crow, 6092 (low est.); Fish Crow, 24 (identified by call only); Black-capped Chickadee, 3 (identified by note and wing-markings); Carolina Chickadee, 21 (same as for Black-capped); Tufted Titmouse, 2; Carolina Wren, 3; Long-billed Marsh Wren, 1; Mockingbird, 13; Catbird, 1; Robin, 6; Bluebird, 21; Golden-crowned Kinglet, 9; Pipit, 5; Starling, 1610; Myrtle Warbler, 11; English Sparrow, 106; Meadowlark, 416; Red-wing, 1504; Rusty Blackbird, 1; Purple Grackle, 88; Cowbird, 53; Cardinal, 37; Dickcissel, 1 (size, shape, and yellowish breast with black markings noted—Barry); Goldfinch, 86; Red-eyed Towhee, 1; Savannah Sparrow, 3; Sharp-tailed Sparrow, 1; Vesper Sparrow, 3; Slate-colored Junco, 23; Tree Sparrow, 77; Chipping Sparrow, 42; Field Sparrow, 19; White-throated Sparrow, 20; Swamp Sparrow, 7; Song Sparrow, 121. **Total**, 86 species approximately 30,347 individuals.—EDWIN BARRY J. F. HERHOLDT, RUS GALLO, HERBERT S. CUTLER, DAVID CUTLER, QUINTIN KRAMER, EVELYN

AUDUBON MAGAZINE

KRAMER, PAUL EHINGER, HENRY MACK, W. W. MACK, ANTHONY VINCY, SAMUEL LENHER, LEONARD ARNOLD, SAM CADWALLADER, HARRY MATTHEWS, FRANCIS EDDLE, AL BOYLEAU, HARRY BOARDMAN, DANIEL S. ENGLANDER, SIDNEY MARGOLIS (Dover Bird Club, Delaware Valley Ornithological Club, Philadelphia Bird Club, Delaware State Fish and Game Commission, U. S. Fish and Wildlife Service).

Rehoboth Beach, Indian River and Lewes, Del. (pine woods, beaches, meadows and bay).—Dec. 27; 7.40 A.M. to 5 P.M. Heavy fog all day with low visibility; ground bare; wind light, southeast to northeast; temp. 50° to 55°. Four observers, mostly together, in car and on foot. Total party hours afield, 9; total party miles, 25 (20 by car, 5 afoot). Holboell's Grebe, 1; Double-crested Cormorant, 1; Canada Goose, 97; Mallard, 5; Black Duck, 180; Baldpate, 250; Green-winged Teal, 1; Old-squaw, 1; American (?) Eider, 1 (♀) or young ♂ observed by W. Pell at 40 yards with 6X glasses; bird was swimming and diving with Scoters near a rock pile at Indian River Inlet; American Scoter, 8; White-winged Scoter, 24, Surf Scoter, 30; Ruddy Duck, 200; American Merganser, 4; Red-breasted Merganser, 19; Sparrow Hawk, 2; Coot, 45; Black-bellied Plover, 1; Greater Yellow-legs, 1; Purple Sandpiper, 11; Sanderling, 10; Great Black-backed Gull, 1; Herring Gull, 145; Ring-billed Gull, 118; Mourning Dove, 13; Short-eared Owl, 1; Belted Kingfisher, 2; Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 27; Tree Swallow, 70; Crow, 47; Carolina Chickadee, 3; Tufted Titmouse, 1; Carolina Wren, 3; Robin, 6; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Migrant Shrike, 1; Starling, 85; Myrtle Warbler, 105; Yellow-throat, 1; English Sparrow, 21; Meadowlark, 9; Red-wing, 20; Cowbird, 5; Cardinal, 4; Purple Finch, 2; Goldfinch, 20; Towhee, 1; Savannah Sparrow, 3; Slate-colored Junco, 12; Tree Sparrow, 1; Field Sparrow, 11; White-throated Sparrow, 1; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 8. **Total**, 59 species; 1658 individuals.—ETHEL BRADY, CEDRIC COOPER, STUYVESANT BONAL PELL, WALDEN PELL, 2D.

Accokeek, Md. (east side of Potomac just below mouth of Piscataway Creek; area of about 2 square miles, comprising river front, cultivated river-flat, wooded swamp, cattail marsh, and border of adjacent upland, covered intensively on foot).—Dec. 22; 8 A.M. to 4.30 P.M. Heavy fog till 10 A.M., clear rest of day; no wind; temp. 29° at start, 56° at return. Observers in pairs or singly at different times during the day. Total party hours, 21; total party miles, about 7, but hard to estimate because of continual criss-crossing of small area. Great Blue Heron, 1; Mallard, 7; Black Duck, 400 (est.); Pintail, 4; Lesser (?) Scaup, 3; American Golden-eye, 2; American Merganser, 50; Red-breasted Merganser, 4; Turkey Vulture, 15; Black Vulture, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Bald Eagle, 2; Marsh Hawk, 2; Bobwhite, 10; Ring-necked Pheasant (?), 1 (not seen, but flushed at close range in heavy fog from corn shocks where Pheasants previously had been seen);

Killdeer, 4; Herring Gull, 2; Ring-billed Gull, 3; Herring and Ring-billed Gull, 25; Mourning Dove, 25; Barred (?) Owl, 1; Kingfisher, 1; Flicker, 10; Pileated Woodpecker, 1 (heard); Red-bellied Woodpecker, 3; Red-headed Woodpecker, 100 (est.); Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 20; Blue Jay, 30; Crow, 20; Fish Crow, 2; Carolina Chickadee, 16; Tufted Titmouse, 35; Brown Creeper, 5; Carolina Wren, 6; Mockingbird, 1; Robin, 1; Bluebird, 16; Golden-crowned Kinglet, 10; Starling, 100 (est.); English Sparrow, 15; Meadowlark, 20; Red-wing, 10; Rusty Blackbird, 40; Purple Grackle, 200 (est.); Cardinal, 35; Purple Finch, 45; Goldfinch, 60; Towhee, 10; Savannah Sparrow, 8; Slate-colored Junco, 250; Tree Sparrow, 30; Field Sparrow, 15; White-throated Sparrow, 150 (est.); Song Sparrow, 100 (est.). **Total**, 57 species; about 1939 individuals.—A. A. BAKER, R. S. CANNON, JR., E. T. MCKNIGHT, W. W. RUBEY.

Baltimore, Md. (Back River marsh, up along Herring Run to Montebello Lake; tide-water marsh, orchards, second-growth deciduous woods, open fields and open park-like areas).—Dec. 22; 9.45 A.M. to 5.15 P.M. Partly cloudy; very slight southwest wind; temp. 50° at start, 55° at return. Two observers working in 1 party. Total party hours afield, 7½ (all afoot); total party miles, 10 (all afoot). Turkey Vulture, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 2; Herring Gull, 11; Downy Woodpecker, 3; Blue Jay, 6; Crow, 11; Carolina Chickadee, 4; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Brown Creeper, 2; Mockingbird, 1; Starling, 40; English Sparrow, 26; Meadowlark, 2; Cardinal, 5; Junco, 35; Tree Sparrow, 31; White-throated Sparrow, 2; Song Sparrow, 4. **Total**, 21 species; 194 individuals.—MILTON VINCENT, RENNERT SMELSER.

Betterton (Kent Co.), Md. (area along Chesapeake Bay from Betterton village to Price's Branch, southward to head of the branch, southwestward to head of Still Pond Creek, and return, including bay shore, open fields, creek shore, and both swamp and upland woods).—Dec. 24; 10.30 A.M. to 4.30 P.M. Clear; very light wind; temp. 40° at start, 44° at return. Observers together. Total miles by car, 10; total miles on foot, 2. Whistling Swan, 12; Canada Goose, 50 (est.); Black Duck, 100 (est.); Turkey Vulture, 11; Red-shouldered Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Herring Gull, 6; Red-bellied Woodpecker, 1; Crow, 75 (est.); Carolina Chickadee, 9; Red-breasted Nuthatch, 1; Brown Creeper, 1; Mockingbird, 1; Ruby-crowned Kinglet, 1; Starling, 45; English Sparrow, 20; Meadowlark, 5; Red-wing, 525 (est.); Purple (?) Grackle, 6; Cowbird, 75 (est.); Cardinal, 7; Slate-colored Junco, 17; Song Sparrow, 1. **Total**, 24 species; 972 (est.) individuals.—MARY ROE GROVES, ANNA BELLE OWENS, HOWARD B. OWENS.

Bowie, Md. (entire area of the Patuxent Research Refuge of the Fish and Wildlife Service, approximately 3000 acres).—Dec. 27; 7.45 A.M. to 5.30 P.M. Cloudy throughout day, foggy in morning, visibility very poor; temp. 46° at start, reaching 50° in late afternoon. Observers alone, covering about 35 miles on foot. Common Loon, 1;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Wood Duck, 6; Duck (?Baldpate), 1; American Merganser, 1; Turkey Vulture, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Bob-white, 10; Mourning Dove, 2; Horned Owl (heard); Barred Owl, 1; Woodpecker (unidentified), 2; Flicker, 21; Red-headed Woodpecker, 4; Red-bellied Woodpecker, 18 (1 heard); Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 19; Blue Jay, 62; Crow, 58; Carolina Chickadee, 37; Tufted Titmouse, 68; Red-breasted Nuthatch, 4; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 1; Mockingbird, 1; Hermit Thrush, 3; Bluebird, 10; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 4; Cedar Waxwing, 29; Starling, 92; Myrtle Warbler, 37; Meadowlark, 9; Purple Grackle, 1; Cardinal, 19; Purple Finch, 3 (1 adult in full song); Goldfinch, 88; Towhee, 2; Junco, 223+; Tree Sparrow, 162; Field Sparrow, 15; White-throated Sparrow, 30; Song Sparrow, 20. **Total**, 44 species seen and 1 species heard; approximately 1118 individuals.—LUCAS DARGAN, NEIL HOTCHKISS, PHOEBE KNAPPEN, A. C. MARTIN, ROBERT E. STEWART, FRANCIS M. UHLER, FORD WILKE.

Loch Raven (Baltimore Co.), Md. (Townson and around the lake through Dulaney Valley).—Dec. 22; 8 A.M. to 4 P.M. Clear; light southwest wind; temp. 30° at start, 55° at return. Observers together except 1 party of 2 separate a total of 1 hour. Total miles by car, 7; total miles afoot, 5. Common Loon, 1; Great Blue Heron, 1; Mallard, 5; Black Duck, 16; American Merganser, 38+; Turkey Vulture, 28+; Red-tailed Hawk, 1; Bob-white, 9; Pheasant, 1; Flicker, 1; Downy Woodpecker, 2; Blue Jay, 2; Crow, 15; Carolina Chickadee, 11; Tufted Titmouse, 3; Red-breasted Nuthatch, 2; Mockingbird, 2; Starling, 50; Myrtle Warbler, 1; Red-wing, 3; Cardinal, 16; Goldfinch, 10; Junco, 10; Tree Sparrow, 57+; White-throated Sparrow, 11; Swamp Sparrow, 7; Song Sparrow, 3. **Total**, 27 species; approximately 306 individuals.—HELEN BESLEY, ALICE BROWN, MARY DOUGLAS, IRVING HAMPE, VIRGINIA HERMAN, OLIVER ISAAC, HELEN KLINKE, DAVID KOLB, HAVEN KOLB, RUTH LENDERKING, AUGUST SELCKMANN.

Port Tobacco (Charles Co.), Md. (area about Port Tobacco Village, Brentland Wharf on Port Tobacco River, and near mouth of Nanjemoy Creek).—Dec. 22; 7 A.M. to 5 P.M. Heavy fog during first 3 hours, clear remainder of day; dead calm throughout day; temp. 32° at start, 56° at finish. Four observers working in pairs. Total party hours afield, 9½ (8 afoot, 1½ by car); total party miles, 30 (20 afoot, 10 by car). Horned Grebe, 5; Great Blue Heron, 5; Mallard, 1; Black Duck, 7; Redhead, 2; Canvas-back, 10; Lesser Scaup, 50; Golden-eye, 1; Buffle-head, 2; Ruddy Duck, 3000+; American Merganser, 30; Red-breasted Merganser, 6; Turkey Vulture, 75; Black Vulture, 13; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 5; Marsh Hawk, 1; Sparrow Hawk, 1; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 20; Ring-billed Gull, 7; Mourning Dove, 6; Kingfisher, 4; Flicker, 8; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue

Jay, 45; Crow, 200 (est.); Carolina Chickadee, 15; Tufted Titmouse, 25; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 6; Robin, 50; Bluebird, 15; Golden-crowned Kinglet, 15; Cedar Waxwing, 30; Migrant Shrike, 1; Starling, 30; Myrtle Warbler, 20; English Sparrow, 50; Meadowlark, 36; Redwing, 1000+; Grackle, 15; Cardinal, 50; Towhee, 6; Goldfinch, 50; Junco, 350 (est.); Tree Sparrow, 100; Field Sparrow, 10; White-throated Sparrow, 200 (est.); Fox Sparrow, 7; Swamp Sparrow, 10; Song Sparrow, 100 (est.). **Total**, 60 species; approximately 5741 individuals.—IRA N. GABRIELSON, CLARENCE COTTAM, A. C. MARTIN, A. L. NELSON (Fish and Wildlife Service).

St. Mary's City to Point Lookout, Md.—Dec. 22; 7.15 A.M. to 5.45 P.M. Clear, sunny day, frost on ground in morning; low-lying mist till 10 A.M. and light southerly breezes in the afternoon in part of the area; temp. 35° at start, to around 48° at midafternoon. Observers mostly in pairs, making from 3 to 5 parties in the field when the groups separated; 93 miles in cars and 19 miles on foot. Common Loon, 2; Holboell's Grebe, 1; Horned Grebe, 89; Great Blue Heron, 1; Green Heron, 1 (no details—Ed.); Baldpate (?), 1 (several certainly identified on Dec. 29); Scaup, 74; American Golden-eye, 134; Buffle-head, 37; Oldsquaw, 60; White-winged Scoter, 11; Surf Scoter, 3; American Scoter, 8; Merganser, 1; Red-breasted Merganser, 17; unidentified Ducks, 400+; Turkey Vulture, 70; Black Vulture, 14; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 4; unidentified Hawks, 2; Bob-white, 10; Killdeer, 1; Wilson's Snipe, 2; Herring Gull, 111; Ring-billed Gull, 32; Bonaparte's Gull, 3; Mourning Dove, 3; Kingfisher, 2; Flicker, 5; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 12; Horned Lark, 66; Blue Jay, 1; Crow, 322; Fish Crow, 5; Carolina Chickadee, 30; Tufted Titmouse, 20; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 2; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 12; Catbird, 1; Robin, 7; Hermit Thrush, 9; Bluebird, 31; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 5; Migrant Shrike, 1; Starling, 188; Myrtle Warbler, 30; Pine Warbler, 1; English Sparrow, 167; Meadowlark, 234; Redwing, 379; Purple Grackle, 2; Cardinal, 29; Goldfinch, 47; Towhee, 8; Junco, 85; Tree Sparrow, 7; Field Sparrow, 84; White-throated Sparrow, 129; Fox Sparrow, 7; Swamp Sparrow, 8; Song Sparrow, 62. **Total**, 71 species; 3154 individuals. A Black Skimmer seen with flock of Herring Gulls off St. Jerome Pt. on Dec. 29 (L. Dargan, P. Knappen, R. McClanahan).—P. A. DUMONT, NEIL HOTCHKISS, MYER KATZ, PHOEBE KNAPPEN, ROBERT C. McCLANAHAN, ROBERT E. STEWART, FORD WILKE.

Blacksburg (Montgomery Co.), Va. (V.P.I. campus and farm, along Strouble's Creek, Tom's Creek, New River (8 miles), and Brush Mountain, within 15-mile diameter).—Dec. 23; 6 A.M. to 6 P.M. Ground bare; no wind except slight breeze at midday; temp. 28° at start, 34° at finish. Twelve observers working in 5 groups except for short periods. Total party hours afield,



Photo by Allan D. Cruckshank

THE BLUE-WINGED TEAL IS ACCIDENTAL IN THE NORTHEAST IN WINTER.
All other eastern Ducks are listed frequently on censuses in this area.

52 (44 afoot, 8 by car); total party miles, 118 (53 afoot, 65 by car). Mallard, 9; Red-legged Black Duck, 2; Common Black Duck, 96; Gadwall, 3; Baldpate, 6; Pintail, 2; Green-winged Teal, 10; Shoveller, 4; Ring-necked Duck, 5; Wood Duck, 1; Hooded Merganser, 20; Turkey Vulture, 99; Black Vulture, 16; Cooper's Hawk, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 1; Bob white, 49 (7 covies, also 2 additional covies were heard whistling at daybreak); Killdeer, 7; Wilson's Snipe, 5; Rock Dove (mostly feral), 37; Mourning Dove, 128+; Screech Owl, 1; Great Horned Owl, 3 (heard before daybreak); Barred Owl, 1; Belted Kingfisher, 4; Flicker, 22; Pileated Woodpecker, 4; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 16; Prairie Horned Lark, 8; Blue Jay, 9; Raven, 1; Crow, 217; Carolina Chickadee, 83; Tufted Titmouse, 42; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 8; Brown Creeper, 4; Winter Wren, 13; Bewick's Wren, 2; Carolina Wren, 7; Mockingbird, 9; Robin, 8; Hermit Thrush, 2; Bluebird, 46; Golden-crowned Kinglet, 49; Ruby-crowned Kinglet, 2 (1 each by McInteer and Watson, C. O. Handley, Jr. and Wood with 6X and 8X binoculars); Cedar Waxwing, 1; Migrant Shrike, 1; Starling, 420; Palm Warbler, 2; Myrtle Warbler, 3; English Sparrow, 97; Meadowlark, 127; Red-wing, 23; Rusty Black-

bird, 12; Grackle, 1; Cardinal, 61; Pine Siskin, 3; Goldfinch, 99; Slate-colored Junco, 706; Tree Sparrow, 87; Field Sparrow, 88; White-crowned Sparrow, 14; White-throated Sparrow, 6; Swamp Sparrow, 5; Song Sparrow, 217. **Total, 72 species; 3097 individuals.**—Mr. and Mrs. ROY WOOD, Mr. and Mrs. LEONARD LLEWELLYN, C. E. ADDY, C. HENDERSON, C. F. DE LA BARRE, A. B. MASSEY, J. F. MCINTEER, JR., R. J. WATSON, C. O. HANDLEY, JR., C. O. HANDLEY.

Harrisonburg, Va. (Waterman's Wood to Tide Spring and return, diameter 12 miles; farmland, pine-cedar, oak, and oak-cedar wood-lots, one with shallow stream).—Dec. 24; 8.45 A.M. to 3.30 P.M. Clear entire day, with few cirrus clouds in east at sunrise; $\frac{1}{4}$ -in. covering of ice over pools and ponds; brisk south wind; temp. 33° at start, 48° at noon, 52° at return. Four observers working together. Total miles by car, 21; total miles afoot, 8 $\frac{1}{2}$. Turkey Vulture, 30; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 10 (1 covey); Downy Woodpecker, 1; Blue Jay, 2; Crow, 587; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 1; Bluebird, 4; Golden-crowned Kinglet, 3; Starling, 56; Myrtle Warbler, 18; English Sparrow, 55; Cardinal, 10; Junco, 50; Tree Sparrow, 8; Song Sparrow, 1. **Total, 20 species; 844 individuals.**—D. RALPH HOSTETTER, Mrs. D. RALPH HOSTETTER, KATHRYN E. HOSTETTER, ELIZABETH L. HOSTETTER.



FORTY-FIRST CHRISTMAS BIRD CENSUS

Lexington, Va. (edge of town on Honeysuckle Hill, Anderson's meadows, and Woods Creek thence by car to White Rock Mountain by Dales Mountain and return).—Dec. 28; 10 A.M. to 12 M., 1 to 5.30 P.M. Heavy fog with occasional mists and showers; no wind; temp. 50° to 60°. Single observer. Total miles afield, 18 (8 by foot, 10 by car); total hours afield, 6½. Turkey Vulture, 3; Sparrow Hawk, 1; Ruffed Grouse, 5; Mourning Dove, 2; Great Horned Owl, 1; Kingfisher, 1; Flicker, 2; Pileated Woodpecker, 4; Downy Woodpecker, 3; Horned Lark, 17; Blue Jay, 2; Raven, 3 (heard 2); Crow, 33; Carolina Chickadee, 6; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 3; Robin, 200 (flock); Hermit Thrush, 2; Cedar Waxwing, 15; Starling, 24; English Sparrow, 27; Meadowlark, 6; Cardinal, 2; Goldfinch, 2; Junco, 56; Tree Sparrow, 5; White-throated Sparrow, 7; Song Sparrow, 3. **Total**, 30 species; 442 individuals.—ROBERT P. CARROLL.

Lynchburg, Va. (fields, woods, low ground around Timber Lake, College Lake, Tomahawk Swamp).—Dec. 23; 7.20 A.M. to 12 M., 1 to 3.45 P.M. Clear; ground bare; no wind; temp. 29° at start, 55° at end. Seven observers in 3 parties in A.M., 2 parties in P.M. Total party hours afield, 15¼ (13¼ on foot, 1½ in car); total party miles, 29 (18 on foot, 11 in car). Mallard, 2; Ring-necked Duck, 5; Lesser Scaup, 8; Turkey Vulture, 11; Black Vulture, 8; Sparrow Hawk, 1; Bobwhite, 9; Mourning Dove, 13; Kingfisher, 3; Flicker, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 22; Crow, 549 (partly est.); Chickadee, 40; Tufted Titmouse, 35; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 5; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 16; Mockingbird, 2; Robin, 1; Bluebird, 38; Golden-crowned Kinglet, 27; Starling, 53; English Sparrow, 38; Meadowlark, 1; Cardinal, 35; Purple Finch, 14; Goldfinch, 62; Towhee, 1; Junco, 386; Tree Sparrow, 8; Field Sparrow, 51; White-throated Sparrow, 74; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 71. **Total**, 43 species; approximately 1623 individuals.—EDWARD CALVERT, RUSKIN S. FREER, KENNETH LAWLESS, BILLY MCINTOSH, KINGSLEY STEVENS, MR. and MRS. J. W. WILTSHIRE, JR. (Lynchburg Chapter, Va. Society of Ornithology).

Norfolk, Va. (Little Creek, Hunchback Road, Little Creek Lake by city airport and city waterworks, Lynnhaven Inlet, White Pond in Seashore State Park).—Dec. 27; 8.25 A.M. to 5.15 P.M. Fog; visibility never more than ½ mile, most of the time less; drizzle part of morning, rain at 4.30 P.M.; wind light, northeast; temp. 53° at start, 51° at return. Observers together; about 10 miles on foot, 25 miles in car between points mentioned, ¼ mile in rowboat to sand-bars in Lynnhaven Inlet. Horned Grebe, 1; Pied-billed Grebe, 11; Great Blue Heron, 4; American Bittern, 1; Mallard, 8; Black Duck, 55; Baldpate, 18; Green-winged Teal, 1; Ring-necked Duck, 44; Lesser Scaup, 30; White-winged Scoter, 1; Red-breasted Merganser, 350 (est.); Bald Eagle, 3; Sparrow

Hawk, 1; Coot, 1; Sanderling, 5; Herring Gull, 101; Ring-billed Gull, 31; Bonaparte's Gull, 1; Kingfisher, 2; Flicker, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Crow, 35; Fish Crow, 3; Chickadee, 5; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 8; Mockingbird, 3; Bluebird, 1; Golden-crowned Kinglet, 8; Pipit, 75 (est.); Starling, 3; Myrtle Warbler, 500 (est.); Pine Warbler, 3; English Sparrow, 15; Meadowlark, 4; Redwing, 30; Cardinal, 6; Goldfinch, 1; Towhee, 13; Junco, 3; Field Sparrow, 2; White-throated Sparrow, 7; Fox Sparrow, 5; Swamp Sparrow, 6; Song Sparrow, 8. **Total**, 53 species; 1438 (est.) individuals.—MRS. COLGATE W. DARDEN, JR., MRS. LOUIS R. LESTER, MRS. A. C. REED.

Orange, Va. (open fields, woodlands, riverbank).—Dec. 28; 9 A.M. to 3.45 P.M. Very cloudy, drizzling rain much of the day; no wind; temp. 50°. Observers together. About 11 miles afoot, 13 by car. Turkey Vulture, 8; Black Vulture, 5; Red-tailed Hawk, 1; Sparrow Hawk, 1; Mourning Dove, 30 (est.); Hairy Woodpecker, 1; Downy Woodpecker, 5; Red-headed Woodpecker, 3; Red-bellied Woodpecker, 5; Flicker, 1; Blue Jay, 30; Crow, 16; Carolina Chickadee, 8; Tufted Titmouse, 1; White-breasted Nuthatch, 1; Brown Creeper, 2; Mockingbird, 7; Bluebird, 2; Golden-crowned Kinglet, 3; Loggerhead (?) Shrike, 1; Starling, 75 (est.); Myrtle Warbler, 2; Palm Warbler, 1; Meadowlark, 18; Cardinal, 8; English Sparrow, 20; Goldfinch, 1; Slate-colored Junco, 100 (est.); Field Sparrow, 17; Song Sparrow, 10. **Total**, 30 species; approximately 383 individuals. The Palm Warbler may possibly have been a Yellow Palm Warbler, as the light was poor, but I think not.—C. EMERSON SMITH, WILLIAM B. WARD.

Richmond, Va. (area around Byrd Park lakes in city, then along Route 10 to Brookbury Farm near Chesterfield Court House, the latter area of open fields, pine woods, and swamp lands covered thoroughly).—Dec. 24; 7.30 A.M. to 3.30 P.M. Clear; light northeast wind; temp. 26° at start, 50° max. Two observers in groups as follows: party I, 3 hours alone; party II, together 5 hours. Total miles afoot, 4; by car (used only to get to observation areas), 20 miles. Mallard, 28; Baldpate, 15; Ring-necked Duck, 126; Lesser Scaup, 11; Turkey Vulture, 1; Sparrow Hawk, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 2; Crow, 4; Chickadee, 3; Tufted Titmouse, 6; White-breasted Nuthatch, 3; Carolina Wren, 3; Mockingbird, 3; Bluebird, 7; Golden-crowned Kinglet, 7; Migrant Shrike, 1; Starling, 45; English Sparrow, 7; Meadowlark, 15; Cardinal, 4; Purple Finch, 18; Goldfinch, 1; Junco, 70; White-throated Sparrow, 18; Song Sparrow, 8. **Total**, 30 species; 419 individuals.—HENRY HOARE, JAMES R. SYDNOR.

Seward Forest (Brunswick Co.), Va. (through farm and pasture lands to Rattlesnake Creek; along creek in beech-oak-holly woods to Wright's Bridge, through pine woods to Devil's

AUDUBON MAGAZINE

Swamp; in p.m., 4½ miles by auto to Quarrels Creek near Simms old mill, then on foot through mixed woods, cotton and tobacco fields.—Dec. 23; 7.15 a.m. to 4.30 p.m. Clear; light north wind in p.m.; temp. 27° at start, 48° at noon. Observer alone. Total hours afield, 8¾; total miles, 16 (7 afoot, 9 by car). Turkey Vulture, 3; Woodcock, 1; Screech Owl, 1; Great Horned Owl, 1; Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 4; Crow, 89; Carolina Chickadee, 4; Tufted Titmouse, 5; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 3; Mockingbird, 4; Hermit Thrush, 12; Bluebird, 8; Golden-crowned Kinglet, 12; Loggerhead Shrike, 2; Myrtle Warbler, 4; Meadowlark, 41; Cardinal, 5; Savannah Sparrow, 6; Slate-colored Junco, 48; Field Sparrow, 6; White-throated Sparrow, 9; Song Sparrow, 18. Total, 30 species; 305 individuals.—JOHN B. LEWIS.

Washington's Birthplace, Va. (Muse's Beach, Westmoreland State Park and Washington's Birthplace on the Potomac River, thoroughly covered; then along the Rappahannock River from Leedstown to Carters Wharf; then to Montross; 10-mile diameter).—Dec. 29; 6.40 a.m. to 5.30 p.m. Partly cloudy; wind strong, southwest all day; temp. 55° at start, 54° on return. About 5 miles on foot, 60 miles by car. Horned Grebe, 4; Great Blue Heron, 3; Canada Goose, 40; Mallard, 50 (est.); Black Duck, 700 (est.); Gadwall, 6; Baldpate, 1000 (est.); Pintail, 4; Shoveller, 8; Ring-necked Duck, 1000 (est.); Canvas-back, 4000 (est.); Lesser Scaup, 6000 (est.); Golden-eye, 19; Buffle-head, 33; White-winged Scoter, 2; Surf Scoter, 26; Ruddy Duck, 500 (est.); American Merganser, 17; Red-breasted Merganser, 2; Turkey Vulture, 55; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 7; Marsh Hawk, 3; Sparrow Hawk, 1; Woodcock, 1; Herring Gull, 6; Ring-billed Gull, 16; Laughing Gull, 4; Bonaparte's Gull, 2; Mourning Dove, 19; Barred Owl, 2; Kingfisher, 2; Flicker, 7; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 250 (est.); Blue Jay, 4; Crow, 300 (est.); Fish Crow, 2; Chickadee, 9; Tufted Titmouse, 3; Red-breasted Nuthatch, 3; Winter Wren, 2; Carolina Wren, 11; Mockingbird, 3; Robin, 2; Hermit Thrush, 1; Bluebird, 37; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 2; Pipit, 3; Migrant Shrike, 2; Starling, 5; Myrtle Warbler, 51; English Sparrow, 9; Meadowlark, 5; Red-wing, 500 (est.); Cardinal, 19; Goldfinch, 104; Slate-colored Junco, 250 (est.); Tree Sparrow, 17; Field Sparrow, 52; White-throated Sparrow, 22; Swamp Sparrow, 3; Song Sparrow, 11. Total, 69 species; approximately 15,268 individuals.—CHARLES P. PRESTON.

Chapel Hill, N. C. (same territory as covered in former years with addition of Eastwood Lake, a new artificial lake).—Dec. 23; 6 a.m. to 5.30 p.m. Clear; temp. 37° to 54°. Total of 5 parties in morning, 3 in afternoon, 1-3 persons per party. Total miles on foot 29, by car 25. Pied-billed Grebe, 2; Great Blue Heron, 3; Mallard, 11; Black Duck, 14; Redhead, 2; Ring-necked Duck, 40;

Scaup, 20; Buffle-head, 3; Ruddy Duck, 3; American Merganser, 2; Turkey Vulture, 17; Black Vulture, 9; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 2; Bob-white, 24; Turkey, 3; Coot, 3; Killdeer, 16; Woodcock, 3; Wilson's Snipe, 2; Mourning Dove, 63; Great Horned Owl, 3; Barred Owl, 1; Flicker, 28; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 12; Phoebe, 4; Blue Jay, 25; Crow, 72; Carolina Chickadee, 66; Tufted Titmouse, 29; White-breasted Nuthatch, 9; Brown-headed Nuthatch, 9; Brown Creeper, 11; Winter Wren, 20; Carolina Wren, 51; Mockingbird, 10; Brown Thrasher, 2; Robin, 6; Hermit Thrush, 13; Bluebird, 103; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 5; Pipit, 1; Cedar Waxwing, 153; Starling, 61; Myrtle Warbler, 60; Pine Warbler, 9; Yellow-throat, 1; English Sparrow, 74; Meadowlark, 62; Red-wing, 16; Rusty Blackbird, 26; Cardinal, 36; Purple Finch, 26; Goldfinch, 55; Towhee, 13; Savannah Sparrow, 9; Junco, 625; Chipping Sparrow, 1; Field Sparrow, 213; White-throated Sparrow, 211; Fox Sparrow, 12; Swamp Sparrow, 139; Song Sparrow, 211. Total, 71 species; 2791 individuals. The Yellow-throat (E. P. Odum), an imm. or ♀, was seen and heard in the same place on Dec. 22.—EUGENE ODUM, COIT COKER, FREMONT SHEPHERD, THOMAS ODUM, EDMUND TAYLOR, ARNOLD BRECKENRIDGE, M. S. BRECKENRIDGE, MARTHA ODUM, BILL THOMAS.

Durham, N. C. (Duke University campus as base, Erwin and Rigsbee Roads, 5 miles west, west to Hollow Rock, 5 miles northwest to Eno River and Crystal Lake, 7 miles northeast to Little River, and Durham Bird Sanctuary).—Dec. 22; 7 a.m. to 2.30 p.m. Clear; slight northwest wind; temp. 26° to 62°. Two parties on foot and in car. Total party hours, 22; total party miles, 66 (54 by car, 12 on foot). Turkey Vulture, 10; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Flicker, 9; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 3; Phoebe, 1; Blue Jay, 14; Crow, 14; Chickadee, 21; Tufted Titmouse, 12; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 8; Mockingbird, 1; Bluebird, 15; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Starling, 6; Myrtle Warbler, 6; Pine Warbler, 5; English Sparrow, 15; Meadowlark, 2; Cardinal, 24; Goldfinch, 90; Towhee, 6; Junco, 88; Field Sparrow, 12; White-throated Sparrow, 28; Swamp Sparrow, 2; Song Sparrow, 11. Total, 36 species; 427 individuals.—PAUL J. KRAMER, THOMAS J. JONES, MR. and MRS. MYCHYLE W. JOHNSON (members Duke-Durham Bird Club).

Mattamuskeet National Wildlife Refuge, New Holland, N. C. (headquarters area, and area between Lake Landing and east end of refuge).—Dec. 27; 7.30 a.m. to 4.30 p.m. Cloudy; wind light, southeast; temp. 48° at start, 65° on return. Two groups part of morning, 1 in afternoon. Total miles afoot, 6; in car, 6; total hours, 10. Double-crested Cormorant, 1; Great Blue Heron, 13;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Whistling Swan, 1467; Canada Goose, 3362; Snow Goose, 3; Mallard, 14; Black Duck, 98; Baldpate, 3; Pintail, 169; Green-winged Teal, 6; Buffle-head, 1; Turkey Vulture, 11; Red-tailed Hawk, 1; Bald Eagle, 7; Marsh Hawk, 2; Killdeer, 9; Herring Gull, 2; Mourning Dove, 4; Belted Kingfisher, 1; Flicker, 14; Downy Woodpecker, 4; Phoebe, 4; Wood Pewee, 1; Tree Swallow, 3; Crow, 79; Chickadee, 8; Tufted Titmouse, 1; House Wren, 2 (observed at 10 yards; unmarked back, smaller size than Carolina Wren, absence of face stripe, and longer tail than Winter Wren noted—Johnson, Wolff); Carolina Wren, 3; Catbird, 8; Mockingbird, 2; Brown Thrasher, 3; Robin, 59; Ruby-crowned Kinglet, 1; Starling, 18; Myrtle Warbler, 321; Yellow-throat, 1; English Sparrow, 10; Meadowlark, 17; Red-wing, 638; Cardinal, 6; Goldfinch, 4; Towhee, 4; Vesper Sparrow, 1; Junco, 7; Tree Sparrow, 5; Field Sparrow, 19; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 21. **Total**, 51 species; approximately 6452 individuals. Larger flocks partly estimated.—MAYNARD S. JOHNSON, W. G. CAHOON, R. L. WOLFF.

Raleigh, N. C. (triangular area, 5-mile base, east and west, 3 miles north, including Cameron Woods, Pullen Park, Boneyard Lake, Lake Raleigh, Lake Johnson, Boone's Pond).—Dec. 27; 8.30 A.M. to 4 P.M. Heavy fog early, heavy clouds rest of day; light southwest wind; temp. about 60°-65°. Three parties in morning, 2 in afternoon on foot and in cars. **Total** miles on foot, 15; total miles by car, 25. Great Blue Heron, 2; Black Duck, 6; Ring-necked Duck, 3; Lesser Scaup, 39; Goldeneye, 1; Buffle-head, 1; Hooded Merganser, 9; American Merganser, 24; Turkey Vulture, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Killdeer, 35; Dove, 69; Screech Owl, 1; Kingfisher, 3; Flicker, 11; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Phoebe, 3; Blue Jay, 6; Crow, 26; Carolina Chickadee, 43; Tufted Titmouse, 20; Brown-headed Nuthatch, 12; Brown Creeper, 1; Carolina Wren, 13; Mockingbird, 3; Hermit Thrush, 4; Bluebird, 9; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 2; Pipit, 100 (est.); Loggerhead Shrike, 2; Starling, 31; Myrtle Warbler, 1; Pine Warbler, 25; English Sparrow, 50; Meadowlark, 51; Red-wing, 100 (est.); Cardinal, 28; Purple Finch, 30; Goldfinch, 13; Towhee, 1; Savannah Sparrow, 2; Junco, 180; Field Sparrow, 85; White-throated Sparrow, 60; Fox Sparrow, 5; Swamp Sparrow, 33; Song Sparrow, 185. **Total**, 52 species; about 1371 individuals. The fog and heavy clouds made identifications unusually difficult.—MRS. R. C. SIMPSON, JOHN GREY, E. W. WINKLER, DAN MARTIN, BILL COLLIE, C. S. BRIMLEY, C. H. BOSTIAN, G. M. GARREN, GEORGE MADDEY (members Raleigh Bird Club).

Red Springs, N. C. (Flora Macdonald College campus, Raft Swamp, north to Antioch Millpond, Hoke Co.; south to Philadelphia Millpond, Robeson Co.; golf links, savannahs, cotton fields, pine and open oak woods).—Dec. 24; 8 A.M. to 5.30 P.M. Sun shining through clouds; ground dry; light southeast wind; temp. 38° at start, 58° at finish. Observers together. **Total**

party hours afield, 8½ (7 afoot, 1½ by car); total party miles, 35 (8 afoot, 27 by car). Turkey Vulture, 1; Black Vulture, 4; Sharp-shinned Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Mourning Dove, 10; Flicker, 7; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Phoebe, 2; Horned Lark, 150 (subsp.?); Blue Jay, 13; Crow, 14; Tufted Titmouse, 17; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 12; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 12; Mockingbird, 3; Brown Thrasher, 2; Robin, 212; Hermit Thrush, 2; Bluebird, 6; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 5; Cedar Waxwing, 2; Shrike, 4; Starling, 42; Myrtle Warbler, 7; Western Palm Warbler, 5; Yellow Palm Warbler, 1; English Sparrow, 23; Meadowlark, 28; Rusty Blackbird, 43; Cardinal, 18; Goldfinch, 1; Towhee, 12; Savannah Sparrow, 3; Junco, 10; Field Sparrow, 17; White-throated Sparrow, 218; Fox Sparrow, 57; Song Sparrow, 17. **Total**, 46 species; 1017 individuals. Palm Warblers observed at close range in bright sunlight, 5 of them having no yellow except on tail-coverts, the other being very yellow.—DICKSON VARDELL MURRAY, JANE MURRAY, JIMMY MURRAY, J. J. MURRAY.

Washington, N. C. (Pamlico River shore and Washington Park, north along borders of fields, swamps, and hardwood stands bordering Runyon's Creek, west over route of previous census).—Dec. 23; 7.45 A.M. to 5 P.M. Clear; slight northeast wind, becoming stronger toward noon; temp. 36° at start, 40° at return. One observer in A.M.; 2 together in P.M. Total hours afoot, 8½; total miles afoot, 11. Red-shouldered (?) Hawk, 1; Killdeer, 29; Herring Gull, 12+; Ring-billed Gull, 10+; Mourning Dove, 30; Kingfisher, 1; Flicker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Phoebe, 4; Blue Jay, 23; Crow, 271; Chickadee, 3; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Carolina Wren, 14; Mockingbird, 3; Catbird, 1; Brown Thrasher, 3; Robin, 224; Bluebird, 1; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Pipit, 2; Loggerhead Shrike, 2; Starling, 2; Myrtle Warbler, 4; English Sparrow, 17; Red-wing, 150; Rusty Blackbird, 12+; Cardinal, 3; Goldfinch, 3; Towhee, 4; Savannah Sparrow, 20; Junco, 33; Field Sparrow, 1; White-throated Sparrow, 20; Fox Sparrow, 1; Song Sparrow, 10. **Total**, 40 species; approximately 936 individuals.—JOSEPH D. BIGGS, VICTOR SHELburne.

Rocky Mount, N. C. (triangular territory, including all local types of habitat, running 12 miles east and 14 miles north from city).—Dec. 27; 6 A.M. to 5.30 P.M. Dark, cloudy; no wind; temp. 60° min., 64° max. Seven observers working in 2 parties. Total hours afield, 20; total party miles, 126 (12 afoot, 3 by boat, 111 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 9; Black Duck, 9; Wood Duck, 46; Ring-necked Duck, 1; Lesser Scaup, 5; Hooded Merganser, 5; Turkey Vulture, 34; Black Vulture, 19; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Marsh Hawk, 9; Pigeon Hawk, 1; Sparrow Hawk, 18; Bob-white, 13;

AUDUBON MAGAZINE

Killdeer, 3; Woodcock, 2; Wilson's Snipe, 8; Mourning Dove, 271; Screech Owl, 1; Great Horned Owl, 2 (9 flushed from nest); Barred Owl, 3; Kingfisher, 2; Flicker, 49; Pileated Woodpecker, 4; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 40; Phoebe, 3; Horned Lark, 30; Blue Jay, 27; Crow, 268; Carolina Chickadee, 50; Tufted Titmouse, 28; White-breasted Nuthatch, 8; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 31; Mockingbird, 4; Brown Thrasher, 2; Robin, 16; Hermit Thrush, 7; Bluebird, 44; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 3; Pipit, 45; Cedar Waxwing, 90; Migrant Shrike, 19; Starling, 110; Myrtle Warbler, 45; Pine Warbler, 1; English Sparrow, 235; Meadowlark, 135; Red-wing, 220; Cowbird, 40; Cardinal, 28; Purple Finch, 38; Goldfinch, 35; Towhee, 18; Savannah Sparrow, 7; Vesper Sparrow, 3; Slate-colored Junco, 235; Chipping Sparrow, 7; Field Sparrow, 45; White-throated Sparrow, 62; Fox Sparrow, 19; Swamp Sparrow, 8; Song Sparrow, 60. **Total**, 73 species; 2628 individuals.—ALBERT CORINTH, RICHMOND CORINTH, NEVERSON LEWIS, F. H. CRAIGHILL, FRANK WILLIAMS, RANDOLPH BUTLER, DAVIS BULLUCK.

Winston-Salem, N. C. (within an approximate 15-mile diameter including city lake reservation, along Salem Creek, Children's Home Grounds, Hanes' Park, Reynolda, Lasater's Lake, and several estates; evergreen and deciduous forest, open country, and water).—Dec. 28, 6.40 a.m. to 5.30 p.m. Mostly cloudy, with frequent showers and occasional sunshine; unusually warm; temp. 66° max., 57° min. Observers in 7 groups as follows: party I, 1 observer afoot, 2½ hours, ½ mile; party II, 1 observer afoot, ½ hour, 1½ miles; party III, 2 observers, 3½ hours, 10 miles by auto, 4 miles afoot; party IV, 2 observers, 4 hours, 30 miles by auto, 3 miles afoot; party V, 1 observer afoot, 6 hours, 10 miles; party VI, 1 observer afoot, 2 hours, 3 miles; party VII, 4 observers afoot, 2½ hours, 3 miles. Total miles by auto, 40; total miles afoot, 25; total hours, 21. Canada Goose, 44; Mallard, 400 (est.); Black Duck, 10; Ring-necked Duck, 1; Canvas-back, 1; Lesser Scaup, 2; Ruddy Duck, 1; Hooded Merganser, 2; Black Vulture, 1; Red-tailed Hawk, 3; Bob-white, 22; Coot, 1; Woodcock, 1; Mourning Dove, 31; Screech Owl, 1; Flicker, 23; Hairy Woodpecker, 3; Downy Woodpecker, 9; Blue Jay, 5; Crow, 110; Carolina Chickadee, 24; Tufted Titmouse, 19; White-breasted Nuthatch, 3; Brown Creeper, 4; Carolina Wren, 19; Mockingbird, 11; Robin, 14; Bluebird, 6; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 70; Loggerhead Shrike, 1; Starling, 40; Myrtle Warbler, 9; English Sparrow, 43; Meadowlark, 29; Cardinal, 69; Purple Finch, 45; Goldfinch, 32; Towhee, 8; Junco, 152; Field Sparrow, 79; White-throated Sparrow, 106; Fox Sparrow, 2; Song Sparrow, 103. **Total**, 45 species; approximately 1566 individuals. Sharp-shinned Hawk seen Dec. 23, and Winter Wren recently but missed on census day.—WILLIAM F. ASHBY, CHARLES BARCOCK, CHARLES BARCOCK, JR., WILLIAM H. CHANCE, JR., FRED HILL, JR., ANDREW MICKLE, JAMES L. STEPHENSON, WILLIAM L. ANDERSON, JR.

Charleston, S. C. (Bull's Island, adjacent waters and marshes, and mainland opposite, back to Wando River; same area as preceding years).—Dec. 23; 7 a.m. to 12.30 p.m., 1.30 to 5.30 p.m. Cloudy, overcast day; northeasterly winds, mainly 10 to 15 m.p.h., with gusts to 29 m.p.h.; temp. 50° at start, 52° at return. Observers in groups as follows: party I, 9 observers (4 joined at 7.20 a.m. and 1 at 1.30 p.m.), 7 hours, 6 miles on foot, 26 miles by car; party II, 4 observers, 7 hours, 4 miles on foot, 36 miles by car; party III, 4 observers, 7 hours, 7 miles on foot, 45 miles by car; party IV, 4 observers, 7 hours, 8 miles on foot, 35 miles by car; party V, 21 observers (all), 2 hours, 4 miles by boat; party VI, 1 observer, 1½ hours, 13 miles by speed-boat. Total miles by car, 142; total miles by boat, 15; total miles on foot, 25; total hours, 31½. Common Loon, 1; Horned Grebe, 34; Pied-billed Grebe, 27; Cormorant (Double-crested ?), 28; Great Blue Heron, 33; American Egret, 3; American Bittern, 1; Mallard, 71; Black Duck, 278+ (est.); Gadwall, 108; Baldpate, 221; Pintail, 194 (est.); Green-winged Teal, 21; Blue-winged Teal, 78 (est.); Shoveler, 153; Wood Duck, 208 (est.); Redhead, 3; Ring-necked Duck, 305 (est.); Canvas-back, 50 (est.); Scaup (Lesser ?), 293; Buffle-head, 47 (est.); American Scoter, 20; Ruddy Duck, 45; Hooded Merganser, 26; American Merganser, 2; Red-breasted Merganser, 88; Turkey Vulture, 60; Black Vulture, 5; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 6; Red-shouldered Hawk, 13; Bald Eagle, 15; Marsh Hawk, 23; Pigeon Hawk, 1; Sparrow Hawk, 16; Wild Turkey, 3; Coot, 83; Oyster-catcher, 450+ (est., all on one oyster bank with some 30 Marbled Godwits); Semipalmated Plover, 2; Killdeer, 4; Black-bellied Plover, 59 (est.); Hudsonian Curlew, 4; Spotted Sandpiper, 3; Willet (Western ?), 14; Greater Yellow-legs, 39; Lesser Yellow-legs, 1; Knot, 12; Red-backed Sandpiper, 42; Dowitcher, 18; Semipalmated Sandpiper, 30 (est.); Marbled Godwit, 30 (est.); Sanderling, 29; Herring Gull, 112 (est.); Ring-billed Gull, 61; Laughing Gull, 4; Bonaparte's Gull, 3; Forster's Tern, 7; Royal Tern, 3; Caspian Tern, 17; Mourning Dove, 47; Barred Owl, 1; Belted Kingfisher, 14; Flicker, 13; Pileated Woodpecker, 10; Red-bellied Woodpecker, 20; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 7; Red-cockaded Woodpecker, 4; Phoebe, 15; Blue Jay, 13; Crow, 243 (est.); Fish Crow, 17; Carolina Chickadee, 31; Tufted Titmouse, 14; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 17; Brown Creeper, 3; House Wren, 4; Winter Wren, 1; Carolina Wren, 23; Short-billed Marsh Wren, 1; Mockingbird, 12; Brown Thrasher, 6; Robin, 279 (est.); Hermit Thrush, 2; Bluebird, 17; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 49; Loggerhead Shrike, 12; Starling, 3; Blue-headed Vireo, 1; Myrtle Warbler, 231 (est.); Yellow-throated Warbler, 1; Pine Warbler, 13; Palm Warbler, 4; Yellow-throat, 1; English Sparrow, 1; Meadowlark, 168 (est.); Red-wing, 536 (est.); Boat-tailed Grackle, 87 (est.); Cardinal, 24; Goldfinch, 37; Red-eyed Towhee, 49; White-eyed Towhee, 4; Ipswich Sparrow, 1; Savannah Sparrow, 27; Sharp-tailed Sparrow, 2; Seaside Spar-

FORTY-FIRST CHRISTMAS BIRD CENSUS

row, 6; Vesper Sparrow, 13; Junco, 18; Chipping Sparrow, 274 (est.); Field Sparrow, 117 (est.); White-throated Sparrow, 48; Fox Sparrow, 6; Swamp Sparrow, 13; Song Sparrow, 40. About 500 small shore birds were seen at a distance too great to identify. **Total**, 118 species and subspecies; approximately 6142 individuals. No unusual occurrences noted within area, but A. H. DuPre reports a Blue Goose and a Snow Goose, with a flock of Canada Geese at Cape Island, 2 miles outside the area. These Geese have been on hand for several weeks. Again we are indebted to Messrs. DuPre and Hill of the U. S. Fish and Wildlife Service for courteous and efficient aid.—ALISTON BADGER, LOUISE S. BARRINGTON, E. MILBY BURTON, E. B. CHAMBERLAIN, E. B. CHAMBERLAIN, JR., A. H. DUPRE, COURTNEY FREEMAN, JOHN FREEMAN, RUSSELL GUERARD, THOMAS HOGE, JOHN M. LOFTON, AMOS C. B. MURPHY, DR. and MRS. ROBERT CUSHMAN MURPHY, ROBERT CUSHMAN MURPHY, JR., HAROLD S. PETERS, DUNBAR ROBB, MR. and MRS. ALEXANDER SPRUNT, ALEXANDER SPRUNT IV, GEORGE B. THORP, ELLISON A. WILLIAMS.

Chester, S. C. (exactly same route followed as during censuses of last 6 years: pine-hardwood areas, lakeside, broomsedge fields, reforested areas).—Dec. 24; 7.45 A.M. to 3 P.M. Partly cloudy; north wind, moderately strong; temp. 35° at start, 48° at return. Ten miles on foot. Great Blue Heron, 1; Mallard, 5; Black Duck, 42; Pintail, 3; Blue-winged Teal, 6; Greater and Lesser Scaup, 41; Turkey Vulture, 9; Black Vulture, 10; Bob-white, 5; Flicker, 2; Red-bellied Woodpecker, 3; Downy Woodpecker, 1; Blue Jay, 8; Crow, 13; Chickadee, 24; Tufted Titmouse, 8; Carolina Wren, 4; Mockingbird, 1; Brown Thrasher, 1; Hermit Thrush, 1; Bluebird, 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Starling, 3; Myrtle Warbler, 17; Pine Warbler, 4; English Sparrow, 34; Meadowlark, 8; Cardinal, 16; Goldfinch, 8; Red-eyed Towhee, 7; Henslow's Sparrow, 2; Junco, 185; Field Sparrow, 56; White-throated Sparrow, 152; Fox Sparrow, 2; Swamp Sparrow, 17; Song Sparrow, 95. **Total**, 40 species; 805 individuals. This is the first time since a census has been taken on this area that no Hawks of any species were tabulated.—WILLIAM W. NEELY.

Altamaha Plantation, Brunswick, Ga. (old rice fields, cypress and oak swamp along river, salt marshes on St. Simon's Island, and Sea Island beach).—Dec. 22; 8.30 A.M. to 1 P.M., 1.30 to 6 P.M. Thinly overcast; slight north wind; temp. 55° at start, 62° at return. Two observers usually separate. Total hours afield, 13½ (2 by boat, 1½ by car, 10 on foot); total miles, 55 (2 by boat, 42 by car, 11 on foot). Red-throated Loon, 3; Brown Pelican, 2; Great Blue Heron, 3; American Egret, 2; Louisiana Heron, 5; Wood Duck, 20; Scaup, 7; Red-breasted Merganser, 9; Turkey Vulture, 1; Black Vulture, 27; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 2; King Rail, 4; Virginia Rail, 1 (clearly distinguished by size from King Rail); Semipalmated Plover, 1; Black-bellied Plover, 1; Willet, 2; Greater Yellow-legs, 4; Lesser Yellow-legs, 2;

Red-backed Sandpiper, 22; Western Sandpiper, 136; Sanderling, 8; Herring Gull, 16; Ring-billed Gull, 56; Common Tern, 6; Royal Tern, 4; Black Skimmer, 400 (est.); Mourning Dove, 1; Barred Owl, 2 (heard); Kingfisher, 4; Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Downy Woodpecker, 2; Phoebe, 1; Blue Jay, 1; Fish Crow, 19; Carolina Chickadee, 3; Tufted Titmouse, 2; Carolina Wren, 1; Mockingbird, 1; Brown Thrasher, 8; Hermit Thrush, 1; Bluebird, 2; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 6; Myrtle Warbler, 132; Yellow-throated Warbler, 1; Pine Warbler, 1; Palm Warbler, 4; Yellowthroat, 3; Meadowlark, 20; Red-wing, 1598 (est.); Boat-tailed Grackle, 2; Purple Grackle, 233; Cardinal, 19; Goldfinch, 10; White-throated Sparrow, 69; Swamp Sparrow, 23. **Total**, 60 species; approximately 3859 individuals.—WILLIAM J. CORDS, JR., THOMAS R. PAXTON.

Atlanta, Ga. (Silver Lake, South River, Decatur, city reservoir and all area between).—Dec. 22; 5.30 A.M. to 5.30 P.M. Clear at start, cloudy in P.M., foggy; no wind; temp. 28° to 50°. Parties grouped as follows: party I, 1 observer, 5 hours, 5 miles; party II, 3 observers, 5 hours, 10 miles; party III, 2 observers, 8 hours, 9 miles; party IV, 2 observers, 8 hours, 5 miles; party V, 4 observers, 8 hours, 8 miles; party VI, 4 observers, 5 hours, 10 miles; party VII, 4 observers, 10 hours, 7 miles; party VIII, 2 observers, 6 hours, 15 miles; party IX, 1 observer, 3 hours, 5 miles. Total hours, 58; total miles, 77. Pied-billed Grebe, 9; Great Blue Heron, 2; Mallard, 2; Black Duck, 2; Pintail, 3; Ring-necked Duck, 8; Scaup, 1; Hooded Merganser, 1; Turkey Vulture, 11; Black Vulture, 17; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 52; Killdeer, 1; Wilson's Snipe, 36; Mourning Dove, 37; Screech Owl, 1; Belted Kingfisher, 5; Flicker, 32; Pileated Woodpecker, 7; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 43; Horned Lark, 35; Blue Jay, 318; Crow, 92; Carolina Chickadee, 62; Tufted Titmouse, 77; White-breasted Nuthatch, 36; Brown-headed Nuthatch, 34; Brown Creeper, 11; Winter Wren, 6; Bewick's Wren, 1; Carolina Wren, 67; Mockingbird, 59; Brown Thrasher, 12; Robin, 3; Hermit Thrush, 20; Bluebird, 94; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 23; Pipit, 3; Cedar Waxwing, 76; Loggerhead Shrike, 6; Starling, 1427 (est.); Myrtle Warbler, 22; Pine Warbler, 3; Yellowthroat, 2; English Sparrow, 278; Meadowlark, 203; Red-wing, 4800 (est.); Rusty Blackbird, 122; Brewer's Blackbird, 5; Grackle, 1426 (est.); Cowbird, 175 (est.); Cardinal, 182; Purple Finch, 6; Goldfinch, 132; Towhee, 143; Savannah Sparrow, 26; Henslow's Sparrow, 1 (Abercrombie, Harris; olive head, red back and wings, sharp tail); Vesper Sparrow, 11; Slate-colored Junco, 386; Chipping Sparrow, 96; Field Sparrow, 670; White-throated Sparrow, 341; Fox Sparrow, 9; Swamp Sparrow, 81; Song Sparrow, 318. **Total**, 74 species; approximately 12,236 individuals.—MRS. H. M. DANIEL, MR. and MRS. T. E. DENNINGTON, RUTH TAYLOR, RALPH RAMSEY, JR., THOS. HILL, MRS.

AUDUBON MAGAZINE

FRANCES HAMES, MRS. J. E. BOYD, MRS. HUGH H. HARRIS, MABEL ABERCROMBIE, MRS. MAURICE ABERCROMBIE, SAM SLICER, ROBERT GORDON, MRS. LEWIS GORDON, MRS. J. C. OLIVER, MARY GRADY, GLENN BELL, R. B. BELSER, RAY WERNER, WALLACE DREYFUS, NELSON T. SPRATT, BILL GRIFFIN (members Atlanta Bird Club).

Fitzgerald, Ga. (area within 15-mile diameter, including woodland stream, pineland, upland fields, and two cypress swamps: Bowen's Mill and Lake Beatrice).—Dec. 25; 7.15 A.M. to 6 P.M. Overcast, with some misty rain; calm; temp. 57° at start, 60° at return. Observers largely together, on foot and by car. Great Blue Heron, 3; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 37 (partly est., 2 covies and 1 'single'); Woodcock, 1; Wilson's Snipe, 9; Mourning Dove, 37; Kingfisher, 4; Flicker, 20; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Red-cockaded Woodpecker, 2; Phoebe, 3; Blue Jay, 13; Carolina Chickadee, 4; Tufted Titmouse, 18; Brown-headed Nuthatch, 2; Brown Creeper, 1; House Wren, 1; Winter Wren, 4; Bewick's Wren, 2; Carolina Wren, 4; Short-billed Marsh Wren, 1; Mockingbird, 8; Catbird, 1; Brown Thrasher, 10; Hermit Thrush, 6; Bluebird, 13; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 13; Pipit, 9; Cedar Waxwing, 33; Loggerhead Shrike, 6; Black and White Warbler, 2; Myrtle Warbler, 12; Pine Warbler, 21; Palm Warbler, 15; Yellow-throat, 11; English Sparrow, 35; Meadowlark, 8; Rusty Blackbird, 150 (est.); Grackle, 37 (partly est.); Cardinal, 27; Goldfinch, 64; Towhee, 74; Savannah Sparrow, 1; Vesper Sparrow, 65 (est.); Junco, 24; Chipping Sparrow, 5; Field Sparrow, 6; White-throated Sparrow, 46; Swamp Sparrow, 19; Song Sparrow, 3. **Total**, 58 species; approximately 926 individuals.—MILTON HOPKINS, CHARLES NORRIS, ROBERT NORRIS.

Piedmont National Wildlife Refuge, Round Oak, Ga. (Blountsville Lake to Round Oak, Wayside returning to refuge headquarters via Five Points; Juliette to refuge headquarters then to transit station No. 93 and return to headquarters).—Dec. 22; 6 A.M. to 5.30 P.M. Clear in A.M., cloudy in P.M.; wind light, northeast; temp. 38° at start, 58° at return. Observers in 2 parties until noon. Total party hours afield, 14 (10 afoot, 4 by car); total party miles, 76 (6 miles afoot, 70 by car). Great Blue Heron, 1; Mallard, 4; Turkey Vulture, 18; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 33 (3 covies); Wilson's Snipe, 1; Mourning Dove, 58; Screech Owl, 1 (heard); Great Horned Owl, 6 (heard); Kingfisher, 1; Flicker, 20; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 4; Red-cockaded Woodpecker, 2; Phoebe, 4; Prairie Horned Lark, 4; Blue Jay, 31; Crow, 72; Carolina Chickadee, 15; Tufted Titmouse, 9; Brown-headed Nuthatch, 9; Winter Wren, 8; Bewick's Wren, 1; Long-billed (?) Marsh Wren, 2; Carolina Wren, 10; Mockingbird, 8; Brown Thrasher, 5; Hermit Thrush, 20; Bluebird, 38;

Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 14; Cedar Waxwing, 35; Loggerhead Shrike, 9; Starling, 28; Myrtle Warbler, 15; Pine Warbler, 1; Palm Warbler, 1; Yellow-throat, 1; English Sparrow, 5; Meadowlark, 27; Red-wing, 1000 (partly est.); Cardinal, 35; Goldfinch, 35; Red-eyed Towhee, 45; Savannah Sparrow, 30; Slate-colored Junco, 208; Chipping Sparrow, 40; Field Sparrow, 132; White-throated Sparrow, 135; Fox Sparrow, 75; Swamp Sparrow, 15; Song Sparrow, 48. **Total**, 61 species; approximately 2368 individuals.—RAYMOND J. FLEETWOOD, JOE MORTON, DUNBAR ROBB (refuge personnel).

Mt. Berry, Ga. (college, Girls' School, Victory Lake, Boys' School, reservoir, return to college via County Road and Possum Trot; shrubbery, lawns, fields, orchards, ponds, hardwoods, pine flatwoods, mountain mixed woods).—Dec. 26; 8 A.M. to 6 P.M. Overcast; misty; no wind; temp. 54° at start, 60° at finish. Two observers together. Ten hours afield; 16 miles afoot. Double-crested Cormorant, 1; Mallard, 15; Black Duck, 12; Green-winged Teal, 5; Ring-necked Duck, 2; Turkey Vulture, 7; Black Vulture, 6; Sharp-shinned Hawk, 1; Marsh Hawk, 1; Bob-white, 8; Mourning Dove, 44; Belted Kingfisher, 1; Flicker, 5; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Blue Jay, 26; Crow, 13; Carolina Chickadee, 3; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Carolina Wren, 1; Mockingbird, 2; Brown Thrasher, 4; Bluebird, 3; Golden-crowned Kinglet, 2; Starling, 21; English Sparrow, 20; Meadowlark, 5; Red-wing, 300 (est.); Rusty Blackbird, 500 (est.); Purple Grackle, 700 (est.); Cardinal, 9; Goldfinch, 5; Red-eyed Towhee, 12; Slate-colored Junco, 32; Chipping Sparrow, 8; Field Sparrow, 16; White-throated Sparrow, 19; Song Sparrow, 2. **Total**, 41 species; approximately 1823 individuals.—ROBERT B. JONES, HAROLD C. JONES.

Savannah, Ga. (Savannah River reservation, Port Wentworth to Georgia, Carolina bridge, cypress-maple-pine woods to south, old rice fields to north; county farm, Bethesda, Rosario Gardens, Wormsloe, Thunderbolt, pine woods, fields, salt-water creeks).—Dec. 27; 8.30 A.M. to 4.30 P.M. Overcast; light rain; wind south; temp. 64° at start, 62° at return. Six observers working in 2 parties. Total party hours afield, 40 (24 afoot, 16 by car); total party miles, 142 (20 afoot, 122 by car). Little Blue Heron, 1; Canada Goose, 12; Mallard, 8000 (est.); Black Duck, 8000 (est.); Gadwall, 100+; Baldpate, 800+; Pintail, 5000 (est.); Green-winged Teal, 500+; Shoveller, 500+; Wood Duck, 5000 (est.); Ring-necked Duck, 1000 (est.); Greater Scaup, 200; Lesser Scaup, 4000 (est.); Buffle-head, 200; Old-squaw, 6; Wild Turkey, 10; Turkey Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 12; Bald Eagle, 1; Duck Hawk, 2; Marsh Hawk, 10; Sparrow Hawk, 7; Greater Yellow-legs, 2; Lesser Yellow-legs, 3; Coot, 1000 (est.); Willet, 12; Killdeer, 5; Wilson's Snipe, 10; Herring Gull, 64; Mourning Dove, 14; Ground Dove, 2; Kingfisher, 3; Flicker, 1; Yellow-bellied Sapsucker, 1; Phoebe, 8; Blue Jay, 2; Crow, 1104 (est.); Carolina Chickadee,

FORTY-FIRST CHRISTMAS BIRD CENSUS

dec, 14; House Wren, 2; Carolina Wren, 4; Marsh Wren (sp. ?), 10; Winter Wren, 2; Mockingbird, 9; Brown Thrasher, 2; Robin, 140+; Hermit Thrush, 1; Ruby-crowned Kinglet, 2; Pipit, 150+; Loggerhead Shrike, 11; English Sparrow, 59; Meadowlark, 150+; Red-wing, 1000 (est.); Grackle, 500+; Cardinal, 19; Purple Finch, 2; Goldfinch, 8; Towhee, 1; Sharp-tailed Sparrow, 25; Vesper Sparrow, 9; Chipping Sparrow, 47; Field Sparrow, 7; White-throated Sparrow, 180+; Fox Sparrow, 2. **Total**, 65 species; approximately 37,963 individuals.—Mr. and Mrs. J. E. WINGO, Mrs. T. F. WALSH, Mrs. J. R. CAIN, ANNE REDDY, MARIE REDDY.

Screen County, Ga. (within a radius of 3 miles of the C. B. Pfeiffer farm home; pine-oak-gum woods, orchards, old fields, swamps bordering Savannah River).—Dec. 27; 8 A.M. to 12 M., 1 P.M. to 5 P.M. Intermittent sunshine and overcast skies; occasional slight northwest wind; light rain; temp. 66° at start, 69° at return. Three observers working in 1 party. Total party hours afoot, 8 (7 afoot, 1 by car); total party miles, 12 (8 afoot, 4 by car). Great Blue Heron, 1; Turkey Vulture, 8; Black Vulture, 16; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 31; Mourning Dove, 44; Flicker, 8; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; Red-cockaded Woodpecker, 11; Phoebe, 2; Blue Jay, 13; Crow, 5; Carolina Chickadee, 6; Tufted Titmouse, 11; White-breasted Nuthatch, 8; Brown-headed Nuthatch, 8; Brown Creeper, 4; Bewick's Wren, 1; Carolina Wren, 8; Mockingbird, 6; Brown Thrasher, 1; Hermit Thrush, 3; Veery (?), 1 (characteristic eye of the Thrush family and rich red-brown color of dead pine needles over the entire back)—Pfeiffer; Bluebird, 16; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 11; Loggerhead Shrike, 1; Blue-headed Vireo, 2; Myrtle Warbler, 6; Pine Warbler, 4; English Sparrow, 31; Meadowlark, 35; Red-wing, 5; Cardinal, 13; Goldfinch, 10; Towhee, 11; Vesper Sparrow, 7; Slate-colored Junco, 31; Chipping Sparrow, 131; Field Sparrow, 31; White-throated Sparrow, 7; Fox Sparrow, 16; Swamp Sparrow, 3; Song Sparrow, 16. **Total**, 50 species; 610 individuals.—GRACE PFEIFFER, ANNE PFEIFFER HAMILTON, R. E. HAMILTON.

Sherwood Plantation (Grady Co.), Ga. (within 1500-acre area of upland fields, cultivated and fallow (10%), pineland (75%), and mixed hardwoods with small pond).—Dec. 25; 6:50 A.M. to 7 P.M. Heavily overcast, fog in morning, later mist and drizzling rain; light easterly winds, shifting to southerly; temp. 57° at start, 62° at return. On foot and by car. Great Blue Heron, 1; Wood Duck, 3; Ring-necked Duck, 7; Turkey Vulture, 8; Black Vulture, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bob-white, 48 (3 covies); Wild Turkey, 3; Mourning Dove, 31; Barred Owl, 6 (heard); Belted Kingfisher, 1; Flicker, 12; Pileated Woodpecker, 10; Red-bellied Woodpecker, 28; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Wood-

pecker, 7; Red-cockaded Woodpecker, 2; Phoebe, 4; Blue Jay, 22; Crow, 40; Chickadee, 14; Tufted Titmouse, 21; White-breasted Nuthatch, 8; Brown-headed Nuthatch, 11; Brown Creeper, 2; House Wren, 3; Carolina Wren, 21; Mockingbird, 10; Brown Thrasher, 3; Hermit Thrush, 10; Bluebird, 17; Ruby-crowned Kinglet, 46 (partly est.); Pipit, 5; Loggerhead Shrike, 1; Starling, 7; Blue-headed Vireo, 6; Black and White Warbler, 2; Orange-crowned Warbler, 2; Myrtle Warbler, 78 (partly est.); Yellow-throated Warbler, 1; Pine Warbler, 235 (partly est.); Palm Warbler, 15; Yellow-throat, 7; Meadowlark, 10; Red-wing, 5; Cardinal, 79 (partly est.); Goldfinch, 32; Red-eyed Towhee, 18; Alabama Towhee, 11; Savannah Sparrow, 8; Vesper Sparrow, 67 (partly est.); Junco, 25; Chipping Sparrow, 15; Field Sparrow, 26; White-throated Sparrow, 88 (partly est.); Swamp Sparrow, 32; Song Sparrow, 17. **Total**, 62 species; about 1222 individuals.—HERBERT L. STODDARD.

Jacksonville, Fla. (6 miles west, beaches).—Dec. 28; 8 A.M. to 5:30 P.M. Overcast; windy; temp. 60° at start, 68° at return. Total miles, 60 (5 afoot, 55 by car). Pied-billed Grebe, 1; Brown Pelican, 2; Ward's Heron, 1; Snowy Egret, 17; Louisiana Heron, 3; Little Blue Heron, 1; Gadwall, 1; Baldpate, 1; Scaup, 17; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Clapper Rail, 4; Florida Gallinule, 12; Coot, 33; Piping Plover, 11; Semipalmated Plover, 19; Killdeer, 50; Black-bellied Plover, 3; Ruddy Turnstone, 3; Least Sandpiper, 1; Sanderling, 15; Herring Gull, 100; Ring-billed Gull, 125; Laughing Gull, 850 (est.); Bonaparte's Gull, 90; Forster's Tern, 72; Royal Tern, 42; Black Skimmer, 500 (est.); Mourning Dove, 12; Ground Dove, 3; Flicker, 1; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Phoebe, 1; Blue Jay, 2; Crow, 3; Tufted Titmouse, 2; Brown-headed Nuthatch, 1; House Wren, 2; Carolina Wren, 2; Mockingbird, 8; Brown Thrasher, 1; Robin, 78; Bluebird, 12; Ruby-crowned Kinglet, 5; Cedar Waxwing, 7; Loggerhead Shrike, 3; Myrtle Warbler, 31; Yellow-throated Warbler, 1; Pine Warbler, 11; English Sparrow, 5; Meadowlark, 2; Red-wing, 20; Boat-tailed Grackle, 1; Cardinal, 8; Goldfinch, 79; Towhee, 20; Pine-woods Sparrow, 1; Chipping Sparrow, 150; White-throated Sparrow, 8; Fox Sparrow, 1; Swamp Sparrow, 3. **Total**, 63 species; approximately 2467 individuals.—MOFFITT HOWELL.

Key West, Fla. (an area with a 12-mile diameter from Wall Key, in Great White Heron National Wildlife Refuge, inside channel, to Calda Channel, outer Key West harbor, to Key West, by boat; Key West, Stock Island, Boca Chica Key, Geigers Key; Bird Key, Saddlebunch Key, and return, in car and on foot).—Dec. 27; 7 A.M. to 6 P.M. Overcast, rain, wind, stormy; temp. 75° at start, 70° at finish. Assisted by Joseph E. Warren for 6 hours in boat, balance of time alone. Total hours, 11. Brown Pelican, 17; Cormorant, 18; Man-o'-war-bird, 25; Great White Heron, 9; Ward's Heron, 12; Würdemann's Heron, 2; Louisiana Heron, 3; Little Blue Heron, 4; Red-breasted Merganser, 32; Turkey Vulture, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Osprey, 1;

AUDUBON MAGAZINE

Sparrow Hawk, 19; Killdeer, 56; Black-bellied Plover, 4; Ruddy Turnstone, 2; Wilson's Snipe, 2; Greater Yellow-legs, 3; Dowitcher, 2; Sanderling, 6; Herring Gull, 30; Laughing Gull, 300; Royal Tern, 54; Caspian Tern, 2; Mourning Dove, 25; Belted Kingfisher, 3; Western Palm Warbler, 1; Red-wing, 30. **Total**, 29 species; 667 individuals.—EARLE R. GREENE, Refuge Manager.

Merritt's Island, Fla. (from Titusville Bridge to Atlantic Ocean; north to Haulover Canal; south end of Mosquito Lagoon. Mainland around Titusville and along Indian River).—Dec. 22; 6.30 A.M. to 5 P.M. Cloudy until midafternoon, then light showers followed by heavy downpour; brisk east and southeast wind; temp. 62° at start. Eleven observers in 4 parties. Total party hours afield, 40½ (34½ hours afoot, 5 by car, 1 by boat); total party miles, 150 miles (30 afoot, 118 by car, 2 by boat). Loon, 4; Horned Grebe, 15; Pied-billed Grebe, 135; White Pelican, 30; Brown Pelican, 2500; Gannet, 30; Double-crested and Florida Cormorant, 72; Man-o'-war-bird, 1 (and 1 dead); Ward's Heron, 63; American Egret, 467; Snowy Egret, 53; Louisiana Heron, 36; Little Blue Heron, 102; Green Heron, 1; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 1; American Bittern, 3; Wood Ibis, 6; Florida Duck, 4; Gadwall, 8; Baldpate, 6; Pintail, 9; Green-winged Teal, 1 (in hunter's bag); Blue-winged Teal, 1000; Wood Duck, 1; Redhead, 1; Ring-necked Duck, 20; Greater and Lesser Scaup, 12,000; Buffle-head, 2; Oldsquaw, 1 (same bird seen by 3 different parties); White-winged Scoter, 1 (all three species of Scoters have been seen during past month in this territory); Ruddy Duck, 2; Hooded Merganser, 18; Red-breasted Merganser, 19; Turkey Vulture, 75; Black Vulture, 25; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 7 (1 pair nesting); Marsh Hawk, 57; Duck Hawk, 1; Pigeon Hawk, 2; Sparrow Hawk, 118; Bob-white, 44; Clapper Rail, 2; Florida Gallinule, 3; Coot, 1; Killdeer, 21; Golden Plover, 1 (M. J. Westfall); Black-bellied Plover, 21; Turnstone, 61; Woodcock, 1 (E. M. Davis); Wilson's Snipe, 2; Willet, 6; Greater Yellow-legs, 37; Lesser Yellow-legs, 13; Least Sandpiper, 200; Red-backed Sandpiper, 205; Dowitcher, 1; Silt Sandpiper, 1 (T. F. Davis); Semipalmated Sandpiper, 17; Western Sandpiper, 13; Sanderling, 16; Herring Gull, 27; Ring-billed Gull, 296; Laughing Gull, 5; Gull-billed Tern, 1 (M. Boyd); Forster's Tern, 16; Common Tern, 1; Least Tern, 4; Royal and Caspian Tern, 1000 (est.); Mourning Dove, 55; Ground Dove, 34; Barred Owl, 1; Kingfisher, 41; Flicker, 14; Pileated Woodpecker, 2; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 1; Phoebe, 17; Tree Swallow, 17,500 (est.); Blue Jay, 22; Florida Jay, 15; Fish Crow, 17; Tufted Titmouse, 2; House Wren, 16; Florida Wren, 24; Short-billed Marsh Wren, 4; Mockingbird, 126; Catbird, 19; Brown Thrasher, 8; Gnatcatcher, 3; Ruby-crowned Kinglet, 10; Pipit, 2; Shrike, 13; White-eyed Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 163; Yellow-throated Warbler, 1; Pine Warbler, 2; Western Palm and Yellow Palm Warbler, 1000 (est.); Florida Yellow-throat, 37; Meadowlark, 7;

Red-wing, 360; Boat-tailed Grackle, 435; Florida Grackle, 235; Cardinal, 39; Goldfinch, 12; Red-eyed Towhee, 22; White-eyed Towhee, 65; Savannah Sparrow, 600 (est.); Grasshopper Sparrow, 2; Eastern and Acadian Sharp-tailed Sparrow, 17; Dusky Seaside Sparrow, 4 (H. H. Schroder); Pine-woods Sparrow, 2; Chipping Sparrow, 38; Field Sparrow, 2; White-throated Sparrow, 1; Swamp Sparrow, 54. **Total**, 126 species; approximately 39,988 individuals.—MILLS BOYD, EDWARD KIMBALL, LEWIS WRIGHT, DR. L. CHRISTENSEN, E. M. DAVIS, H. DAVIS, T. F. DAVIS, JOHN FLUNO, KENNETH SCUDDER, HUGO H. SCHRODER, M. J. WESTFALL, JR.

Pensacola, Fla. (territory covered was included within 15-mile diameter and, with minor variations in the route of Party II, was the same as covered in 1933-39).—Dec. 22; 7 A.M. to 1.30 P.M., and 3 to 5.30 P.M. Cloudy with light drizzle of rain all day, rain increasing in P.M.; 15-mile wind from east-northeast all day; temp. 55° at start, 57° at return. Observers in groups as follows: party I, 2 observers, 6½ hours, 29 miles by car, 2 miles on foot; party II, 2 observers, 6½ hours, 45 miles by car, 1 mile on foot; party III, 4 observers (all), 2½ hours, 21 miles by car, ½ mile on foot in rain. Total miles by car, 95; total miles on foot, 3½; total hours, 15½. Common Loon, 20; Pied-billed Grebe, 4; Brown Pelican, 15; Double-crested Cormorant, 32; Great Blue Heron, 5; Lesser Scaup, 137 (est. 125 in 1 flock); American Golden-eye, 5; Buffle-head, 1; Red-breasted Merganser, 14; Black Vulture, 4; Red-shouldered Hawk, 1; Bald Eagle, 1 (incubating eggs); Duck Hawk (rare), 1; Sparrow Hawk, 9; Killdeer, 7; Black-bellied Plover, 1; Wilson's Snipe, 1; Sanderling, 7; Herring Gull, 113; Ring-billed Gull, 41; Laughing Gull, 45 (est., in 2 flocks); Bonaparte's Gull, 1; Royal Tern, 3; Mourning Dove, 1; Barred Owl, 1; Belted Kingfisher, 2; Flicker, 4; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Phoebe, 6; Blue Jay, 36; Common and Fish Crow (both identified), 47; Chickadee, 13; Tufted Titmouse, 33; Brown-headed Nuthatch, 1; House Wren, 1; Mockingbird, 19; Catbird (very rare in winter), 1; Brown Thrasher, 11; Robin, 138 (includes 1 flock of 100, est.); Bluebird, 5; Blue-gray Gnatcatcher, 5; Ruby-crowned Kinglet, 107 (partly est.); Pipit, 40 (1 flock, est.); Loggerhead Shrike, 11; Cedar Waxwing, 30 (1 flock, est.); Starling, 25 (1 flock of 20); Blue-headed Vireo, 2; Myrtle Warbler, 166 (partly est.); Yellow-throated Warbler, 1; Pine Warbler, 2; Western Palm and Yellow Palm Warblers (typical birds of each form identified), 5; Yellow-throat, 3; Meadowlark, 20; Red-wing, 65 (includes flock of 50, est.); English Sparrow, 51 (partly est.); Cardinal, 10; Goldfinch, 31; Towhee, 17; Savannah Sparrow, 3; Vesper Sparrow, 11; Bachman's Sparrow, 1; Chipping Sparrow, 150 (1 flock, est.); Field Sparrow, 8; White-throated Sparrow, 93 (partly est.); Swamp Sparrow, 6. **Total**, 70 species and subspecies; 1656 individuals. P.M. trip for shore birds failed because of adverse weather.—FRANK BRAY, ALAN C. SHEPPARD, A. F. WICKE, JR., FRANCIS M. WESTON.

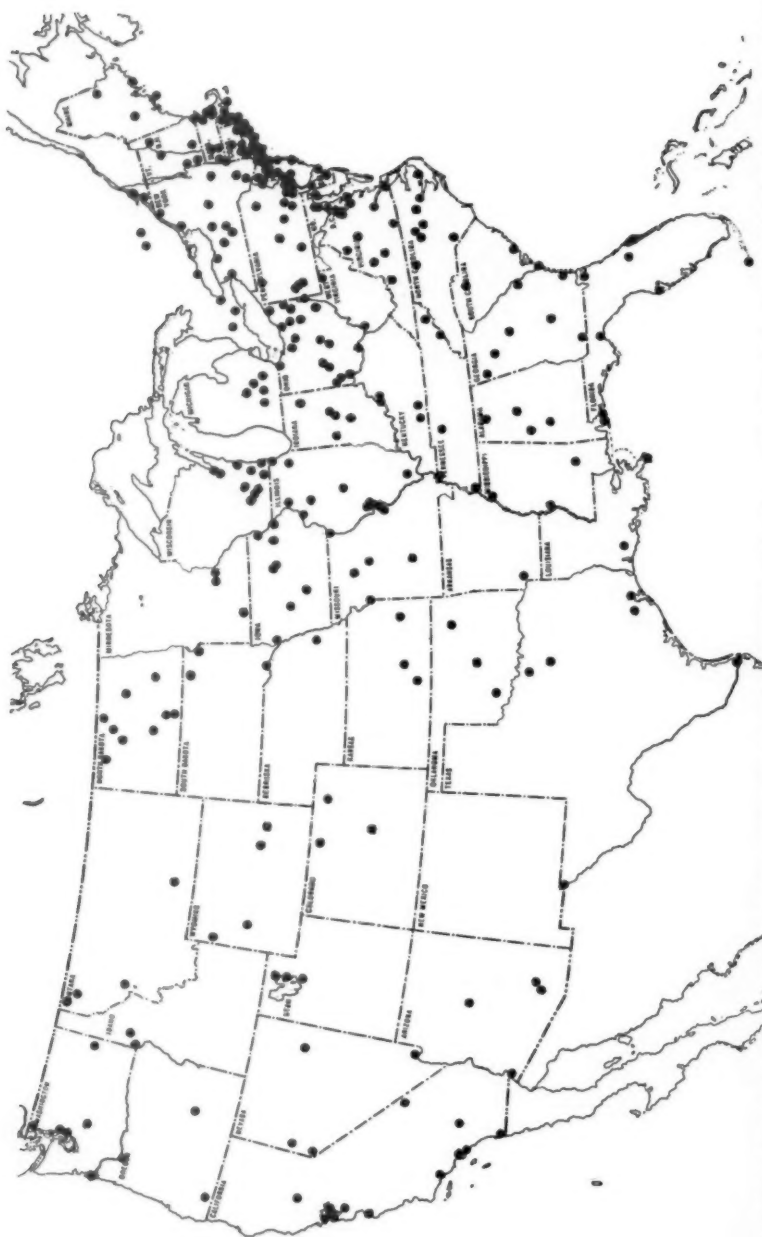
FORTY-FIRST CHRISTMAS BIRD CENSUS

St. Marks National Wildlife Refuge, St. Marks, Fla. (from refuge headquarters to Tram Road, down it to junction with Outer Dike, thence down Outer Dike to Lighthouse Road to the St. Marks Lighthouse; along beach of Apalachee Bay; by car to Port Leon, to Newport, to State Road No. 10 to 2 miles north of St. Marks, walking through piney flat woods section there, and then by car down county road to Wakulla Tract along north boundary of the refuge, walking through hardwood hammock).—Dec. 26; 7:30 A.M. to 5 P.M. Partly cloudy; wind east, light, until 9:30 A.M.; then and rest of day changed to cloudy, wind from east increasing to fresh intensity; temp. 56° at start, 50° at finish. One party, 2 observers. Total miles by car, 36; by foot, 1½; total party hours, 19 (2½ afoot, 16½ by car). Pied-billed Grebe, 10; Brown Pelican, 1; Florida Cormorant, 21; Great Blue Heron, 7; American Egret, 365; Louisiana Heron, 4; Little Blue Heron, 2; Canada Goose, 1427; Hutchins's Goose, 18; Mallard, 11; Black Duck, 20; Gadwall, 10; Baldpate, 300 (est.); Pintail, 15; Green-winged Teal, 10; Blue-winged Teal, 13; Shoveller, 1; Wood Duck, 1; Ring-necked Duck, 4; Canvas-back, 2; Lesser Scaup, 34; Ruddy Duck, 11; American Merganser, 1; Red-breasted Merganser, 21; Turkey Vulture, 89; Black Vulture, 27; Red-tailed Hawk, 3; Red-shouldered Hawk, 6; Bald Eagle, 3; Marsh Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 6; Clapper Rail, 2; Florida Gallinule, 6; Coot, 450; Semipalmated Plover, 8; Killdeer, 7; Black-bellied Plover, 10; Ruddy Turnstone, 51; Wilson's Snipe, 2; Willet, 3; Lesser Yellow-legs, 6; Least Sandpiper, 23; Red-backed Sandpiper, 62; Dowitcher, 1; Western Sandpiper, 20; Sanderling, 1; Herring Gull, 25; Ring-billed Gull, 103; Common Tern, 5; Cabot's Tern, 5; Mourning Dove, 15; Barred Owl, 1; Belted Kingfisher, 9; Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Red-cockaded Woodpecker, 2; Phoebe, 4; Vermilion Flycatcher, 1 (first seen by D. V. Gray and L. S. Givens on Dec. 26; collected Dec. 27; identified by H. L. Stoddard, Thomasville, Ga.); Tree Swallow, 2; Blue Jay, 4; Crow, 9; Chickadee, 1; Red-breasted Nuthatch, 6; Brown-headed Nuthatch, 8; House Wren, 1; Mockingbird, 8; Brown Thrasher, 2; Robin, 100; Bluebird, 2; Pipit, 8; Cedar Waxwing, 50; Loggerhead Shrike, 2; Myrtle Warbler, 180; Palm Warbler, 1; Meadowlark, 21; Red-wing, 107; Boat-tailed Grackle, 3; Purple Grackle, 9; Cardinal, 3; Goldfinch, 1; Towhee, 3; Savannah Sparrow, 4; Pine-woods Sparrow, 1; Field Sparrow, 100 (est.); Song Sparrow, 1. **Total**, 90 species; approximately 3974 individuals.—DONALD V. GRAY, LAWRENCE S. GIVENS.

St. Petersburg, Fla. (Pinellas peninsula; south of Largo including Gulfport, Pass-a-Grille, Gulf beaches, Pinellas Park and St. Petersburg).—Dec. 22; 7 A.M. to 4:30 P.M. Overcast; frequent light rain; gentle east wind; temp. 60° to 70°. Nine observers working in 6 parties. Total party hours afield, 37; total party miles, 241 (227 by car, 7 by bicycle, 7 afoot). Common Loon, 3; Horned Grebe, 9; Pied-billed Grebe, 3; White Pelican, 6;

Brown Pelican, 114; Double-crested Cormorant, 183; Man-o'-war-bird, 10; Great Blue Heron, 36; American Egret, 94; Snowy Egret, 28; Louisiana Heron, 29; Little Blue Heron, 62; Green Heron, 1; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 11; Wood Ibis, 1; White Ibis, 51; Lesser Scaup, 1282; Red-breasted Merganser, 47; Turkey Vulture, 3; Black Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 12; Marsh Hawk, 3; Osprey, 1; Sparrow Hawk, 28; Bob-white, 40; Florida Gallinule, 12; Coot, 26; Oyster-catcher, 2; Semipalmated Plover, 48; Wilson's Plover, 50; Killdeer, 25; Black-bellied Plover, 42; Ruddy Turnstone, 86; Wilson's Snipe, 1; Spotted Sandpiper, 1; Willet, 49; Greater Yellow-legs, 5; Lesser Yellow-legs, 4; Knot, 15; Least Sandpiper, 53; Red-backed Sandpiper, 82; Dowitcher, 10; Semipalmated Sandpiper, 149; Sanderling, 94; Herring Gull, 147; Ring-billed Gull, 686; Laughing Gull, 233; Forster's Tern, 20; Royal Tern, 69; Cabot's Tern, 10; Black Skimmer, 310; Mourning Dove, 37; Ground Dove, 53; Great Horned Owl, 1; Belted Kingfisher, 21; Flicker, 11; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairly Woodpecker, 1; Downy Woodpecker, 3; Phoebe, 4; Barn Swallow, 1 (Marie Willson); Blue Jay, 22; Fish Crow, 67; Tufted Titmouse, 4; Gray-headed Nuthatch, 4; House Wren, 3; Long-billed Marsh Wren, 1 (W. G. Fargo); Mockingbird, 116; Catbird, 6; Brown Thrasher, 4; Bluebird, 30; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 24; Blue-headed Vireo, 1; Black and White Warbler, 1; Myrtle Warbler, 108; Yellow-throated Warbler, 1; Pine Warbler, 11; Western Palm Warbler, 78; Yellow Palm Warbler, 5; Yellowthroat, 1; English Sparrow, 20; Meadowlark, 61; Red-wing, 1541; Boar-tailed Grackle, 328; Florida Grackle, 42; Cardinal, 37; Goldfinch, 55; Towhee, 35; Savannah Sparrow, 1; Sharp-tailed Sparrow, 5; Vesper Sparrow, 15; Chipping Sparrow, 50; Swamp Sparrow, 3. **Total**, 101 species; 7134 individuals.—MAJOR and MRS. GEORGE D. ROBINSON, MRS. H. D. POMEROY, VIVIAN SELTER, MRS. CLARA I. THOMAS, MARGARET QUIRIN, W. G. FARGO, MARIE G. WILLSON, MRS. DAISIE M. MORRISON (Florida West Coast Bird Club, Bird and Tree Circle of the St. Petersburg Garden Club).

Sanford (Seminole Co.), Fla. (city of Sanford east, Lake Monroe and St. Johns River to Lake Harney and the Titusville Bridge, to south Lake Jessup—farms, marsh lands, scrubs, flat woods and swamps).—Dec. 29; 6:30 A.M. to 5 P.M. Unsettled with hard wind in afternoon; temp. 60° at start, 64° at return. Nine observers working in 3 parties in morning and 1 in afternoon. Total party hours afield, 25 (6½ by boat, 16 afoot, 2½ by car); total party miles, 63 (42 by car, 15 afoot, 6 by boat). Pied-billed Grebe, 4; Cormorant, 6; Ward's Heron, 15; American Egret, 34; Snowy Egret, 16; Louisiana Heron, 25; Little Blue Heron, 41; Black-crowned Night Heron, 25; Yellow-crowned Night Heron, 1; American Bittern, 5; Canada Goose, 5 (also several killed recently by hunters); Mallard, 5; Red-legged Black Duck, 50; Florida Duck, 32; Gadwall, 3; Baldpate, 5; Pin-



DISTRIBUTION OF THE FORTY-FIRST CHRISTMAS BIRD CENSUS. The above map shows the location of all printed censuses, all states being represented with the exception of New Mexico. The four Nevada reports are the first to be submitted from that state.

FORTY-FIRST CHRISTMAS BIRD CENSUS

tail, 150; Green-winged Teal, 1; Blue-winged Teal, 45; Shoveller, 11; Ring-necked Duck, 3; Greater Scaup, 50; Lesser Scaup, 5950; Red-breasted Merganser, 1; Turkey Vulture, 38; Black Vulture, 100; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 8; Bald Eagle, 2; Marsh Hawk, 6; Osprey, 3; Pigeon Hawk, 2; Sparrow Hawk, 20; Bob-white, 4; Sora, 2; Florida Gallinule, 1; Coot, 13; Semipalmated Plover, 1; Wilson's Plover, 11; Killdeer, 341; Woodcock, 4; Wilson's Snipe, 115; Spotted Sandpiper, 1; Greater Yellow-legs, 46; Lesser Yellow-legs, 8; Red-backed Sandpiper, 25; Dowitcher, 3; Western Sandpiper, 25; Herring Gull, 8; Ring-billed Gull, 9; Forster's Tern, 12; Common Tern, 1; Caspian Tern, 2; Mourning Dove, 44; Ground Dove, 9; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 15; Flicker, 7; Pileated Woodpecker, 16; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 2; Kingbird, 2 (Boyd); Phoebe, 45; Tree Swallow, 20; Blue Jay, 33; Florida Jay, 4; Crow, 5; Fish Crow, 5550; Chickadee, 2; Tufted Titmouse, 12; House Wren, 1; Bewick's Wren, 1; Carolina Wren, 12; Short-billed Marsh Wren, 1; Mockingbird, 20; Catbird, 2; Brown Thrasher, 7; Robin, 100; Hermit Thrush, 2; Bluebird, 12; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 15; Pipit, 52; Loggerhead Shrike, 15; White-eyed Vireo, 3; Blue-headed Vireo, 2; Black and White Warbler, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 62; Yellow-throated Warbler, 1; Pine Warbler, 8; Western Palm Warbler, 150; Yellow Palm Warbler, 3; Northern Water-Thrush, 2; Louisiana Water-Thrush, 1 (not seen but heard in swamplands—H. G. Good); Yellow-throat, 50; English Sparrow, 75; Meadowlark, 85; Red-wing, 4604; Boat-tailed Grackle, 827; Florida Grackle, 342; Cardinal, 14; Goldfinch, 40; Red-eyed Towhee, 48; White-eyed Towhee, 3; Savannah Sparrow, 8; Pine-woods Sparrow, 2; Field Sparrow, 5; Swamp Sparrow, 35; Song Sparrow, 4. **Total**, 114 species; approximately 19,715 individuals.—CHAS. S. DAVIS, DR. H. G. GOOD, THOS. F. DAVIS, JR., HUGO H. SCHRODER, C. MILLS BOYD, JR., M. LEWIS WRIGHT, JR., A. L. MYERS, JR., ELTON MOUGHTON, JR., EDWARD KIMBALL.

Ashland, Ohio (Charles Mill Dam Game Refuge; territory covered about the same as last year).—Dec. 29; 9 A.M. to 5 P.M. Cloudy and drizzly all day with intermittent showers and snowsqualls; moderate northwest wind; ground bare; lake free of ice; temp. 35° at start, 32° at return. Two observers together. Total miles by car, 31; on foot, 4-5; total party hours, 8 (6½ afoot, 1½ by car). Great Blue Heron, 1; Mallard, 200 (est.); Black Duck, 300 (est.); Pintail, 2; Green-winged Teal, 12; Red-tailed Hawk, 2; Bob-white, 16; Pheasant, 1; Killdeer, 3; Wilson's Snipe, 1; Ring-billed Gull, 9 (?); Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 8; Chickadee, 4; Tufted Titmouse, 9; White-breasted Nuthatch, 6; English Sparrow, 9; Meadowlark, 2; Cardinal, 9; Goldfinch, 11; Junco, 22; Tree Sparrow, 175 (est.); Swamp Sparrow, 5; Song Sparrow, 18; Snow

Bunting, 27. **Total**, 27 species; approximately 856 individuals.—JAMES CROSS, BURTON C. KAHL.

Ashtabula, Ohio (Lake Erie shore from Ashtabula to Conneaut, 13 miles; most of the lake plain, from shore inland 4 miles).—Dec. 28; 8 A.M. to 3 P.M. Ground and all water unfrozen (the week included the mildest midwinter weather ever experienced in northeastern Ohio); no wind; much surface water in pools following 3 days of rain and fog; fog reduced visibility to 100-600 yards and terminated activities at 3 P.M.; temp. 55° to 58°. Many species of plants were green or budding, spring peepers (*Hyla crucifer*) were in full song, honey bees were flying freely and occasional dandelions were found in bloom. Observers in 3 parties. About 52 miles by auto, 21 man-miles on foot. Whistling Swan, 1; Mallard, 4; Black Duck, 12; American Golden-eye, 4; Buffle-head, 2; Hooded Merganser, 2; American Merganser, 20; Red-breasted Merganser, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 2; Black-bellied Plover, 1; Red-backed Sandpiper, 1; Great Black-backed Gull, 2; Ring-billed Gull, 5; Herring Gull, 720; Bonaparte's Gull, 2; Screech Owl, 1; Kingfisher, 1; Flicker, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 16; Blue Jay, 3; Crow, 1; Black-capped Chickadee, 47; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 12; Starling, 110; English Sparrow, 160; Cardinal, 42; Goldfinch, 4; Junco, 21; Tree Sparrow, 133; Song Sparrow, 6; Snow Bunting, 8. **Total**, 38 species; 1363 individuals.—LAWRENCE E. HICKS, ROBERT H. MILLS, DANIEL L. LEEDY.

Buckeye Lake, Ohio (same territory as in past 6 years).—Dec. 22; daylight to dark. Cloudy, hazy in A.M., partly cloudy in P.M.; ground unfrozen, wet but firm; lake open; wind south, shifting to north by way of west, 8 to 16 m.p.h.; temp. 31° min. at 8 A.M., 44° max. at 4 P.M. Seventeen observers working in 4 parties, these subdividing on occasion. Total party hours afield, 64; total party miles, 153 (64 afoot, 89 by car). Loon, 1; Horned Grebe, 7; Great Blue Heron, 1; Mallard, 324; Black Duck, 670; Pintail, 7; Green-winged Teal, 5; Shoveller, 1; Redhead, 2; Lesser Scaup, 34; Golden-eye, 17; Buffle-head, 3; White-winged Scoter, 3; Hooded Merganser, 6; American Merganser, 402; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 13; Bob-white, 89 (12 covies); Ring-necked Pheasant, 6; Coot, 2; Killdeer, 6; Herring Gull, 30; Mourning Dove, 19; Barn Owl, 1; Screech Owl, 4; Barred Owl, 2; Short-eared Owl, 1; Kingfisher, 1; Flicker, 30; Red-bellied Woodpecker, 16; Hairy Woodpecker, 22; Downy Woodpecker, 125; Horned Lark, 25; Blue Jay, 24; Crow, 86; Carolina Chickadee, 247; Tufted Titmouse, 186; White-breasted Nuthatch, 125; Red-breasted Nuthatch, 2; Brown Creeper, 16; Winter Wren, 2; Carolina Wren, 6; Mockingbird, 1; Robin, 1; Bluebird, 3; Golden-crowned Kinglet, 7; Starling, 611; English Sparrow, 585; Bronzed Grackle, 1; Cowbird, 5; Cardinal, 189; Goldfinch, 10; Towhee, 1; Vesper Sparrow, 1; Junco, 51; Tree Sparrow, 1242; Field Sparrow, 1; White-throated Sparrow, 3; Swamp Sparrow, 18; Song

AUDUBON MAGAZINE

Sparrow, 191; Snow Bunting (?), 1. **Total**, 64 species; 5505 individuals.—DONALD J. BORROR, FLOYD B. CHAPMAN, AUDREY CLAUGUS, HAL DESELMA, ROBERT M. GEIST, ARTHUR R. HARPER, LAWRENCE E. HICKS, JAMES H. JENKINS, DANIEL L. LEDY, ERNEST LIMES, JR., FRANK MEAD, RALPH J. REYNOLDS, WILLIAM J. TAYLOR, JACK TETRICK, EDWARD S. THOMAS, WALTER A. TUCKER, GEORGE WOLFRAM (Wheaton Club, members and guests).

Cadiz, Ohio (fields and woods as far as 5 miles west of Cadiz, and 3 miles along shore of Tappan Lake of Muskingum Conservancy District, about 15 miles west of Cadiz).—Dec. 22; 6.30 A.M. to 5 P.M. Cloudy; ground bare; wind west, light to moderate; temp. 32° at start, 36° at return. Nine observers in 2 parties. Total hours afield, 17 (15 by foot, 2 by car); total party miles, 48 (8 afoot, 40 by car). Mallard, 10; Black Duck, 32; Pintail, 2; American Golden-eye, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 6; Bob-white, 1; Florida Gallinule, 1 (seen both on bank and in water of marsh, watched at 200 feet with high-powered glasses—Patterson); Coot, 1; Herring Gull, 1; Screech Owl, 2; Kingfisher, 1; Flicker, 4; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Pileated Woodpecker, 2; Blue Jay, 1; Crow, 5; Chickadee, 10; Tufted Titmouse, 9; White-breasted Nuthatch, 11; Carolina Wren, 2; Bluebird, 7; Starling, 29; English Sparrow, 77; Meadowlark, 4; Red-wing, 1; Cardinal, 12; Goldfinch, 77; Towhee, 1; Slate-colored Junco, 20; Tree Sparrow, 127; Song Sparrow, 21. **Total**, 36 species; 503 individuals.—H. B. McCONNELL, JOHN G. WORLEY, ROBERT PATTERSON, MILTON RONSHEIM, GEORGE BIER, MILTON M. RONSHEIM, HAROLD MARTIN, NATELY RAMSAY, JOHN C. WORLEY.

Cincinnati, Ohio (Sharon Woods, Remington, Ault Park, California Park, Amelia, Gleneste).—Dec. 29; 8.30 A.M. to 5 P.M. Light rain during most of day; wind light, west; average temp. about 40°. Observers in groups as follows: party I, 9 observers, 7 hours, 6 miles on foot, 75 by automobile; party II, 2 observers, 8 hours, 6 miles on foot, 20 by automobile; party III, 1 observer, 2 hours, 2 miles on foot. Total miles by car, 95; total miles on foot, 14; total party hours, 17. Mallard, 18; Black Duck, 6; Shoveller, 1 (?); Sparrow Hawk, 3; Bob-white, 16; Coot, 1; Mourning Dove, 4; Barred Owl, 1; Flicker, 2; Red-bellied Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 16; Crow, 2041 (partly est.); Carolina Chickadee, 39; Tufted Titmouse, 60; White-breasted Nuthatch, 4; Carolina Wren, 4; Mockingbird, 2; Starling, 121; English Sparrow, 80; Cardinal, 63; Goldfinch, 10; Towhee, 3; Vesper Sparrow, 1; Slate-colored Junco, 152; Tree Sparrow, 281; White-crowned Sparrow, 1; Song Sparrow, 30. **Total**, 29 species; about 2782 individuals. The Shoveller was possibly a crippled bird. The Vesper Sparrow was observed at distance of 20 feet with 8× binoculars; white outer tail-feathers, head and side markings carefully noted by G. A.—ELIZABETH EICHHOLD, HELEN BRINKMAN, ALLAN KAIN, C. S. POSEGATE, RALPH WEHRENBURG, ALBERT WEHRENBURG,

ELIZABETH PHILHOWER, RALPH CARPENTER, WOODROW GOODPASTER, HERBERT KLEMMANN, KARL MASLOWSKI, GORDON ACOMB (members Ohio Audubon Society).

Canton, Ohio (all observations within a radius of 7 miles of Canton).—Dec. 22; 7 A.M. to 5 P.M. Clear to cloudy; no snow on ground; strong southwest wind; temp. 30° at start, 40° at return. Twenty-one observers working in 10 parties. Total party hours afield, 61 (40 afoot, 21 by auto); total party miles, 231 (50 afoot, 181 by auto). Lesser Scaup, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 8; Bob-white, 38; Ring-necked Pheasant, 3; Woodcock, 1; Herring Gull, 13; Mourning Dove, 12; Hairy Woodpecker, 17; Downy Woodpecker, 61; Horned Lark, 51; Blue Jay, 41; Crow, 2584; Chickadee, 53; Tufted Titmouse, 66; White-breasted Nuthatch, 37; Brown Creeper, 3; Carolina Wren, 1; Robin, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 6; Starling, 394; English Sparrow, 760; Cowbird, 4; Cardinal, 87; Goldfinch, 3; Junco, 144; Tree Sparrow, 504; Field Sparrow, 6 (the Webbers); Song Sparrow, 90. **Total**, 32 species; 4997 individuals.—HARRY BARRY, HOWARD BRAUN, C. R. BRUSH, MRS. JOHN DANNER, JUDGE and MRS. J. L. FLOYD, GLENN GOSS, HARTZELL JUSTICE, MR. and MRS. C. H. KAUFHOLTZ, EDWARD KIMES, THELMA MILLER, MR. and MRS. GEORGE NIEPORT, MR. and MRS. D. R. PRATT, HARRY TAWNEY, CHARLES VIGNOS, E. P. WEBER, EUGENE WEBER (members Neo-Naturalists Club).

Cleveland, Ohio (Lake Erie shore, Gordon Park to Fairport, inland to Gates Mills, Shaker Lakes and Little Mountain; beech-maple-hemlock woods at North Chagrin, Chagrin River and Euclid Creek valleys, farms, orchards, old fields, beach and wooded areas).—Dec. 22; 7.30 A.M. to 5 P.M. Cloudy and overcast with visibility poor in P.M.; ground bare; moderate west wind; temp. 32° at start, 36° at finish. Forty-four observers in 13 groups as follows: party I, 4 observers, 4 miles, 2 hours; party II, 2 observers, 2 miles, 4 hours; party III, 2 observers, 12 miles, 6 hours; party IV, 2 observers, 3 miles, 3½ hours; party V, 4 observers, 8 miles, 7 hours; party VI, 4 observers, 6 miles, 5 hours; party VII, 3 observers, 15 miles, 6 hours; party VIII, 6 observers, 10 miles, 5 hours; party IX, 3 observers, 6 miles, 7 hours; party X, 7 observers, 7 miles, 6 hours; party XI, 2 observers, 4 miles, 6 hours; party XII, 3 observers, 2 miles, 5 hours; party XIII, 2 observers, 5 miles, 6 hours. Total hours afield, 68½ (60 afoot); total party miles, 314 (84 afoot, 230 by car). Horned Grebe, 2; Great Blue Heron, 2; Mallard, 30; Black Duck, 20; Lesser Scaup, 521; Golden-eye, 15; Ruddy Duck (Fuller), 1; Hooded Merganser, 1; American Merganser, 2; Red-breasted Merganser, 24; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 2; Bob-white, 8; Pheasant, 13; Coot, 2; Herring Gull, 249; Ring-billed Gull, 1; Bonaparte's Gull, 289; Great Horned Owl, 1; Barred Owl, 1; Kingfisher, 1 (Sherwin); Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 8; Hairy Woodpecker, 27; Downy Woodpecker, 93; Prairie Horned Lark,

FORTY-FIRST CHRISTMAS BIRD CENSUS

4; Blue Jay, 69; Crow, 4; Chickadee, 188; Tufted Titmouse, 87; White-breasted Nuthatch, 119; Red-breasted Nuthatch, 17; Brown Creeper, 2; Bluebird, 7; Golden-crowned Kinglet, 5; Starling, 248; Myrtle Warbler, 2 (Klein); English Sparrow, 272; Cowbird, 1 (Skaggs, *et al.*); Cardinal, 103; Pine Siskin, 2 (Bole, *et al.*); Goldfinch, 50; Junco, 85; Tree Sparrow, 432; White-throated Sparrow, 2 (Shipman, Bole); Song Sparrow, 18. **Total**, 52 species; 3055 individuals. The Cowbird and White-throated Sparrow have been at feeding stations for several weeks.—JAMES AKERS, LLEWELLYN BARBOUR, B. P. BOLE, B. P. BOLE, JR., K. BOHNSACK, MR. and MRS. F. W. BRAUND, A. T. BURCH, VERA CARROTHERS, JOE CORBE, CECIL, EDITH and H. C. DOBBINS, DON ECKELBERRY, MAURICE FREEMAN, MR. and MRS. A. B. FULLER, JOHN GRAETTINGER, JEAN HACKETT, ISABELLE HELLWIG, MELVIN HINKLEY, DALE INKLEY, SCOTT INKLEY, MALCOLM JOLLIE, RICHARD KLEIN, THEO. MINER, RUTH NEWCOMER, RALPH O'REILLY, JR., MARGARET PERNER, MARJORY RAMISCH, ERNEST ROCKLIFFE, MR. and MRS. W. J. SCHART, F. M. SHANKLAND, C. M. SHIPMAN, PETER, BRIAN and MARGARET SHERWIN, FRANK SIMPSON, MARION SKAGGS, M. B. SKAGGS, HAROLD WALLIN, M. B. WALTERS, ROBT. WELCHINS, A. B. WILLIAMS (Cleveland Bird Club).

Cuyahoga Falls, Ohio (covering 9 lakes and many small ponds all within a 15-mile circle east and south of Akron; same territory as 1939, adding Mogadore reservoir which was filled this past spring).—Dec. 22; 9 A.M. to 4 P.M. Heavily overcast; lakes, ponds and ground not frozen; slight wind; temp. min. 28°, max. 32°. Observers in groups as follows: party I, 2 observers, 2 hours, 1 mile afoot; party II, 3 observers, 3 hours, 25 miles in car, 1 mile afoot; party III, 4 observers, 3 hours, 27 miles in car, 1 mile afoot; party IV, 2 observers, 3 hours, 20 miles in car, 2 miles afoot. **Total** party hours, 11; total party miles in car, 72; total party miles afoot, 5. Mallard, 35; Black Duck, 700±; Baldpate, 7; Lesser Scaup, 6; Golden-eye, 18; Hooded Merganser, 1; American Merganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Pheasant, 1; Herring Gull, 55; Hairy Woodpecker, 1; Downy Woodpecker, 13; Blue Jay, 7; Crow, 8; Black-capped Chickadee, 1; Tufted Titmouse, 4; White-breasted Nuthatch, 3; Starling, 17; English Sparrow, 250±; Cardinal, 8; Goldfinch, 5; Slate-colored Junco, 20; Tree Sparrow, 70; Song Sparrow, 3. **Total**, 25 species; approximately 1250 individuals.—MRS. WILMA HULL, CHARLES MOUNTZ, CARL PLUNTZE, GERTRUDE RENNECKAR, FRED RUCKMAN, FRED SMITH, MARTIN SMITH, GEORGE SMITH (members Cuyahoga Falls Audubon Club).

Dayton, Ohio (Huffman Dam, hills and dales, Woodland Cemetery, Cricket Hollow, Residence Park, Island Park, Englewood Dam and Taylorsville Dam).—Dec. 26; 7 A.M. to 4.30 P.M. Heavy skies with light fog and at times mist amounting to light rain; ground soft; no frost; calm; temp. 47° at 6 A.M., 58° at 1 P.M. **Total** party miles, 55 (31 by car, 24 afoot); total party hours, 28½. Mallard, 25; Black Duck, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh (?) Hawk, 1; Sparrow Hawk, 1; Bob-white, 68; Ring-necked

Pheasant, 10; Mourning Dove, 26; Rock Dove, 26; Belted Kingfisher, 1; Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 57; Blue Jay, 4; Crow, 201; Carolina Chickadee, 77; Tufted Titmouse, 57; White-breasted Nuthatch, 15; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 9; Myrtle Warbler, 1; Starling, 73; English Sparrow, 231; Red-wing, 1; Cardinal, 122; Purple Finch, 5; Goldfinch, 2; Towhee, 1; Junco, 68; Tree Sparrow, 152; Song Sparrow, 48. **Total**, 34 species; 1317 individuals. Dec. 21, Mockingbird; Dec. 24, Robin.—BERTRAM SMITH, R. L. WILKIE, FLORENCE CLIPPINGER, CATHERINE HODELER, FLORA PICKEN, RUTH CLARK, BEN. J. BLINCOE (Dayton Audubon Society).

Hamilton, Ohio (along Miami River, in patches of woods, meadows, and weedy fields).—Dec. 22; 8.30 A.M. to 4 P.M. Cloudy in morning with poor visibility, clearing at noon; ground bare; wind light, south; temp. 36° at start, 54° at return. Observers together. About 10 miles on foot, 12 miles by auto. American Bittern, 2; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 9; Mourning Dove, 11; Kingfisher, 2; Flicker, 9; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 34; Blue Jay, 3; Crow, 40; Chickadee, 63; Tufted Titmouse, 31; Brown Creeper, 3; Carolina Wren, 7; Winter Wren, 2; Mockingbird, 1; Starling, 426; English Sparrow, 316; Cardinal, 108; Meadowlark, 1; Cowbird, 1; Junco, 86; Tree Sparrow, 134; Song Sparrow, 174. **Total**, 27 species; 1467 individuals.—FRANK HARBAUM, WILLIS HARBAUM.

Lancaster, Ohio (same territory as in the past 15 years).—Dec. 22; 7.15 A.M. to 12.30 P.M., 1.45 to 5 P.M. Cloudy until 10 A.M., rest of day clear; ground bare; wind west, light; temp. 32° to 54°. Observers in groups as follows: party I, 4 observers, 8½ hours, 9 miles on foot; party II, 3 observers, 3¼ hours, 3 miles on foot. **Total** hours, 11¾; total miles on foot, 12. Canada Goose, 100 (est.); Marsh Hawk, 1; Bob-white, 30 (2 covies); Pheasant, 4; Flicker, 13; Red-bellied Woodpecker, 9; Hairy Woodpecker, 12; Downy Woodpecker, 32; Horned Lark, 1; Blue Jay, 6; Crow, 4; Carolina Chickadee, 46; Tufted Titmouse, 59; White-breasted Nuthatch, 6; Brown Creeper, 1; Carolina Wren, 4; Robin, 6; Bluebird, 8; Cedar Waxwing, 1; Starling, 137; English Sparrow, 359; Cardinal, 58; Towhee, 4; Slate-colored Junco, 74; Tree Sparrow, 73; White-crowned Sparrow, 1 [no details—Ed.]; Song Sparrow, 65. **Total**, 27 species; 1123 individuals. Canada Geese observed through 8× binoculars, flying overhead.—DR. CHAS. SHAW, PAUL J. MILLER, LOUIE KITZ, FLORENCE BRANUM, CHAS. GOSLIN and daughters, DOROTHY and ESTHER.

Norwalk, Ohio (Huron River valley and adjacent woods and fields, Peru to Norwalk).—Dec. 24; 8.30 A.M. to 3.30 P.M. Clear; no snow; wind south, moderate; temp. 32° at start, 47° at noon, 57° at return. Two observers together. Total miles on foot, 9. Great Blue Heron, 1; Marsh Hawk, 2; Mourning Dove, 16; Barred Owl, 1; Flicker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Downy Woodpecker, 9;

AUDUBON MAGAZINE

Horned Lark, 2; Blue Jay, 12; Crow, 13; Black-capped Chickadee, 1; Tufted Titmouse, 10; White-breasted Nuthatch, 6; Brown Creeper, 1; Starling, 15; English Sparrow, 50; Cardinal, 13; Slate-colored Junco, 4; Tree Sparrow, 45; Song Sparrow, 7. **Total**, 21 species; 212 individuals. This is the first record of Great Blue Heron in 9 years of census-taking.—DALE C. KELLOGG, MAURICE E. FOOTE.

Oxford, Ohio (along Four Mile Creek, in village, woods, cultivated fields, pastures).—Dec. 23; 8 A.M. to 6 P.M. Morning heavily overcast to cloudy, afternoon clear; moderate east wind; temp. 32° to 37°. Eighteen observers in 4 parties. Total party hours afield, 30½ (28 afoot, 2½ by car); total party miles, 57½ (27½ afoot, 30 by car). Canada Goose, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 18; Rock Dove, 125; Mourning Dove, 95; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Flicker, 33; Red-bellied Woodpecker, 20; Hairy Woodpecker, 10; Downy Woodpecker, 82; Horned Lark, 27; Blue Jay, 1; Crow, 395; Carolina Chickadee, 192; Tufted Titmouse, 167; White-breasted Nuthatch, 11; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 13; Mockingbird, 1; Robin, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 3; Starling, 384; Myrtle Warbler, 3; English Sparrow, 343; Meadowlark, 16; Bronzed Grackle, 1; Cardinal, 131; Goldfinch, 60; Red-eyed Towhee, 54; Slate-colored Junco, 209; Tree Sparrow, 441; Song Sparrow, 148. **Total**, 39 species; 3003 individuals.—R. A. HEFNER, MRS. R. A. HEFNER, MARCINE HEFNER, W. C. MCNELLY, W. H. GRAN, N. T. MATTOX, MRS. PAUL LOGAN, M. W. BOESSEL, WILLIS HARBAUM, CAROLINE HEFNER, WILLIS HEFNER, DELMAR FREAD, GEORGE FICHTER, MARY A. TYRRELL, K. E. PENROD, C. K. LLOYD, DAVID LOGAN, ROBERT RECH.

Portsmouth, Ohio (territory practically the same as for last 15 years; old fields, river banks and wooded areas).—Dec. 23; daylight to dark. Cloudy in A.M., clear in P.M.; temp. 45°. Total miles on foot, 12; total miles by car, 50. Mallard, 6; Black Duck, 12; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 12; Bob-white, 6; Ring-necked Pheasant, 1; Killdeer, 2; Herring Gull, 2; Mourning Dove, 2; Belted Kingfisher, 1; Flicker, 5; Red-bellied Woodpecker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 39; Horned Lark, 3; Blue Jay, 8; Crow, 64; Carolina Chickadee, 142; Tufted Titmouse, 91; White-breasted Nuthatch, 28; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 14; Hermit Thrush, 1; Bluebird, 24; Starling, 221; Myrtle Warbler, 7; English Sparrow, 125; Meadowlark, 3; Red-wing, 35; Cowbird, 18; Cardinal, 178; Purple Finch, 48; Pine Siskin, 6; Goldfinch, 77; Towhee, 20; Junco, 339; Tree Sparrow, 150; Field Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 179. **Total**, 43 species; 1890 individuals.—CONRAD ROTH, FLOYD B. CHAPMAN, PAUL MOORE, ERNEST LIMES, ROBERT PROUTY.

Salem, Ohio (across fields to New Albany, along Middle Fork of Little Beaver Creek to Coleman, then along abandoned canal to Guilford Lake; ¾ of way around lake, headwaters of Middle Fork and along Stone Mill Run to Frank-

lin Square).—Dec. 25; 7:30 A.M. to 5 P.M. Bright sunshine; ground frozen at start, ½-in. ice on most of lake; wind light, south; temp. 32° at start, 50° at return, 61° maximum. Observers in 3 parties: party I, 1 observer, 9½ hours, 15 miles on foot; party II, 2 observers, 8½ hours, 10 miles on foot; party III, 2 observers, 8¼ hours, 13 miles on foot. Total miles afoot, 38; total hours afoot, 26¾. Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 18 (2 covies); Pheasant, 2; Herring Gull, 3; Mourning Dove, 11; Barn Owl, 1; Screech Owl, 1; Kingfisher, 4; Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 38; Horned Lark, 1; Blue Jay, 22; Crow, 10; Chickadee, 30; Tufted Titmouse, 66; White-breasted Nuthatch, 35; Red-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 3; Bluebird, 2; Ruby-crowned Kinglet, 1 (D. E. and C. G.); Starling, 123; English Sparrow, 204±; Red-wing, 29; Cardinal, 87; Goldfinch, 1; Junco, 25; Tree Sparrow, 365±; Field Sparrow, 3; Song Sparrow, 95. **Total**, 34 species; approximately 1194 individuals. Note absence or scarcity of Grouse, Horned Larks, Brown Creepers, and Golden-crowned Kinglets. The Ruby-crowned Kinglet was possibly a female, the absence of all markings on the head being noted.—PAUL A. STEWART, DON ECKELBERRY, CHARLES GOULD, DR. MYRON T. STURGEON, WILLIAM C. BAKER.

Toledo, Ohio (10 miles of Swan Creek Valley, 10 miles of Ottawa River valley, part of Maumee River rapids, Maumee Bay to Lake Erie, and Pearson Park).—Dec. 22; 8 A.M. to 6 P.M. Mostly cloudy; no snow; bay and streams open; wind west in A.M., north in P.M., 10 m.p.h.; temp. 34° at start, 35° at close. Nineteen observers in 8 parties. Total party hours, 36; total party miles, 75 (24 on foot, 44 in auto, and 7 in canoe). Great Blue Heron, 1; Canada Goose, 10; Mallard, 814; Black Duck, 4363; Canvas-back, 206; Lesser Scaup, 2; American Golden-eye, 2325; Hooded Merganser, 1; American Merganser, 850; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 8; Duck Hawk, 1; Sparrow Hawk, 5; Bob-white, 39; Ring-necked Pheasant, 26; Great Black-backed Gull, 2; Herring Gull, 595; Ring-billed Gull, 1; Bonaparte's Gull, 201; Mourning Dove, 155; Screech Owl, 1; Long-eared Owl, 6 (1 group); Belted Kingfisher, 2; Flicker, 7; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 61; Prairie Horned Lark, 1; Blue Jay, 48; Crow, 36; Black-capped Chickadee, 27; Tufted Titmouse, 54; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 1; Brown Creeper, 32; Carolina Wren, 3; Golden-crowned Kinglet, 7; Starling, 385; English Sparrow, 349; Meadowlark, 6; Cardinal, 69; Purple Finch, 19; Common Redpoll, 3; Pine Siskin, 5; Goldfinch, 19; Slate-colored Junco, 127; Tree Sparrow, 191; White-throated Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 78; Lapland Longspur, 275; Snow Bunting, 1. **Total**, 55 species; 11,473 individuals. A Ruby-crowned Kinglet and several White-winged Crossbills were seen Dec. 20.—WILLIAM ANDERSON, MAX SHEPHERST, HOTTY BODEN, JOHN STOPHLET, JAMES NESSLE, HAROLD MAYFIELD, LAWRENCE HIETT,

FORTY-FIRST CHRISTMAS BIRD CENSUS

PAUL JONES, FRED FLICKINGER, J. ARTHUR MACLEAN, JOS. COLLINS, SR., JOS. COLLINS, JR., PAUL DUTCHER, ERNEST WEAVER, L. J. SEARS, JR., FRED STEARNS, LOUIS W. CAMPBELL, LOUIS A. KLEWER (Toledo Naturalists' Assoc.).

Yellow Springs, Ohio (most of Glen Helen's 1000 acres, surrounding country).—Dec. 23; 6 A.M. to 5 P.M. Cloudy in A.M., clear in P.M.; wind light, east; temp. 36° at start, 38° at return, barometer steady. Total hours, 11 (9 afoot, 2 by car); total miles, 39 (13 afoot, 26 by car). Great Blue Heron, 2; Mallard, 6; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bob-white, 27; Pheasant, 5; Mourning Dove, 3; Kingfisher, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 27; Blue Jay, 4; Crow, 2643; Carolina Chickadee, 38; Tufted Titmouse, 31; White-breasted Nuthatch, 18; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 13; Starling, 128; English Sparrow, 247; Rusty Blackbird, 1 (noted at close range with 8× glass); Cardinal, 28; Goldfinch, 120; Slate-colored Junco, 51; Tree Sparrow, 66; Swamp Sparrow, 1; Song Sparrow, 34. **Total**, 29 species; 3512 individuals.—IRVING W. BURR.

Youngstown, Ohio (Meander, Mill Creek and Yellow Creek valleys).—Dec. 22; 8 A.M. to 5 P.M. Cloudy but bright until 10.30 A.M., when visibility became bad; wind light, west; reservoirs open; temp. 38° low, 42° high. Observers in 5 groups. Total party hours afield, 33; total party miles, 66 (46 afoot, 20 by car). Mallard, 72; Black Duck, 700 (est.); Pintail, 2; Green-winged Teal, 15; Ring-necked Duck, 12; Lesser Scaup, 2; Golden-eye, 18; Buffle-head, 12; Hooded Merganser, 12; American Merganser, 2; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 2; Bob-white, 17; Pheasant, 4; Herring Gull, 15; Ring-billed Gull, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 5; Kingfisher, 2; Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Hairy Woodpecker, 12; Downy Woodpecker, 52; Prairie Horned Lark, 3; Blue Jay, 38; Crow, 218; Chickadee, 82; Tufted Titmouse, 65; White-breasted Nuthatch, 78; Red-breasted Nuthatch, 7; Brown Creeper, 4; Winter Wren, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 10; Starling, 124; English Sparrow, 191; Cardinal, 19; Goldfinch, 34; Red Crossbill, 10 (Leedy); Junco, 90; Tree Sparrow, 290; Song Sparrow, 19. **Total**, 50 species; approximately 2275 individuals.—CHARLES A. LEEDY, ELIZABETH NORTHRUP, CORA TURNER, EVAN DRESSEL, WILLIAM BAKER, PAUL STEWART, VINCENT MC LAUGHLIN, EDWARD MINICH, JERRY BRODY, GEORGE MESSELY, WILLIAM BROWN, GRANT M. COOK.

Huntington, W. Va. (northern parts of Cabell and Wayne counties, along Ohio River in Lawrence County, Ohio, eastward from Huntington; maple-basswood woods on hillsides, farms, orchards, fields, and wooded hillsides).—Dec. 26; 7.30 A.M. to 5 P.M. Dense fog over river and in valleys until about 10 A.M.; wind light; temp. 35° at start, 65° max. Thirteen observers working in 6 parties. Total party hours afield, 22 (18 afoot,

4 by car); total party miles, 54 (24 afoot, 30 by car). Rough-legged (?) Hawk, 1 (Waldron, Seeber; shape and size indicate Rough-leg, but no markings seen; very dark); Sparrow Hawk, 7; Gull (sp.), 3 (probably Ring-bills, but lost in fog); Screech Owl, 1; Flicker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 14; Blue Jay, 44; Crow, 1028; Carolina Chickadee, 60; Tufted Titmouse, 44; White-breasted Nuthatch, 8; Winter Wren, 1; Carolina Wren, 45; Mockingbird, 16; Robin, 6; Bluebird, 11; Golden-crowned Kinglet, 1; Starling, 325; English Sparrow, 429; Meadowlark, 10; Cardinal, 78; Goldfinch, 4; Towhee, 8; Junco, 54; Tree Sparrow, 8; Chipping Sparrow, 6; Field Sparrow, 3; Fox Sparrow, 2; Song Sparrow, 56. **Total**, 31 species; 2285 individuals.—J. H. BOYD, MRS. T. A. CAVENDISH, DR. F. A. GILBERT, R. G. WILLIAMS, MRS. H. C. HALE, MRS. R. O. LEAKE, MRS. W. L. ODELL, J. P. OSTOSKI, E. L. SEEBER, MRS. C. F. WAGERS, W. H. WALDRON, JR., KENDALL WEBB, MISS RACHAEL WILSON (Huntington Bird Club).

Morgantown, W. Va. (vicinity of Morgantown and Lake Lynn, same area covered in 1938 and 1939 censuses).—Dec. 24; 7 A.M. to 5 P.M. Clear; temp. 25° at start, rising to approximately 55° at midafternoon and sinking to 35° at 5 P.M. Total miles by car, 35; by foot, 12. Common Loon, 3; Horned Grebe, 2; Mallard, 2; Black Duck, 230; Ring-necked Duck, 1; Hooded Merganser, 1; Cooper's (?) Hawk, 1; Red-shouldered (?) Hawk, 1; Ruffed Grouse, 2; Mourning Dove, 16; Flicker, 1; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 1; Crow, 10; Chickadee, 17; Tufted Titmouse, 18; White-breasted Nuthatch, 3; Carolina Wren, 2; Mockingbird, 1; Catbird, 1; Bluebird, 1; Starling, 5; English Sparrow, 34; Cardinal, 28; Purple Finch, 5; Goldfinch, 4; Slate-colored Junco, 32; Tree Sparrow, 26; Song Sparrow, 8. **Total**, 32 species; 466 individuals.—I. B. BOGGS, WILLIAM A. LUNK.

Wheeling, W. Va. (Ohio and N. Marshall counties; elm and beech-maple woodlands and some open pastures).—Dec. 22; 9 A.M. to 4.30 P.M. Clear; windy; temp. 36°. Twelve observers working in 3 parties. Total party hours afield, 19 (15 afoot, 4 by car); total party miles, 54 (12 afoot, 42 by car). Sharp-shinned Hawk, 1; Ruffed Grouse, 3; Killdeer, 2; Belted Kingfisher, 2; Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 51; Blue Jay, 1; Crow, 342; Chickadee (sp.), 109; Tufted Titmouse, 80; White-breasted Nuthatch, 15; Brown Creeper, 5; Carolina Wren, 10; Bluebird, 4; Golden-crowned Kinglet, 8; Starling, 18; English Sparrow, 94; Cardinal, 51; Towhee, 22; Junco, 50; Tree Sparrow, 130; White-throated Sparrow, 10; Fox Sparrow, 2; Song Sparrow, 20. **Total**, 28 species; 1032 individuals.—WALTER AMMON, JOHN HANDLAN, DOROTHY NEUHAAR, RALPH BISHOP, GEORGE BREIDING, DONALD KEYSER, ROBERT HALLETT, HAROLD BERGNER, DOROTHY CONRAD, CHARLES CONRAD, MABEL HOPWOOD, RUSSELL WEST (Brooks Bird Club).

AUDUBON MAGAZINE

Anchorage, Ky. (Anchorage, O'Bannon, Worthington, Ohio River, and surrounding area).

—Dec. 22; 6 A.M. to 6 P.M. Fair; fog in morning; wind light, northwest; temp. 38° at start, 50° at finish. Five observers working in 3 parties. Total party hours afield, 27 (23 afoot, 4 by car); total party miles, 72 (12 afoot, 60 by car). Double-crested Cormorant, 3; Mallard, 950 (est.); Black Duck, 450 (est.); Pintail, 2; Green-winged Teal, 1; Redhead, 2; Lesser Scaup, 10; American Golden-eye, 120; Buffle-head, 8; Old-squaw, 2; White-winged Scoter, 2; Red-breasted Merganser, 1; American Merganser, 4; Turkey Vulture, 1; Black Vulture, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 19; Bob-white, 1 covey (size unknown); Killdeer, 2; Herring Gull, 65; Ring-billed Gull, 1; Mourning Dove, 50; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Flicker, 16; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 26; Northern Horned Lark, 8; Prairie Horned Lark, 128; Blue Jay, 23; Crow, 65; Carolina Chickadee, 116; Tufted Titmouse, 145; White-breasted Nuthatch, 16; Brown Creeper, 5; Carolina Wren, 4; Mockingbird, 5; Robin, 2; Bluebird, 12; Golden-crowned Kinglet, 1; Migrant Shrike, 1; Starling, 3500 (est.); English Sparrow, 350 (est.); Meadowlark, 7; Red-wing, 9; Cowbird, 1; Cardinal, 324; Purple Finch, 4; Goldfinch, 18; Red-eyed Towhee, 22; Slate-colored Junco, 435; Tree Sparrow, 211; Field Sparrow, 14; White-crowned Sparrow, 7; White-throated Sparrow, 60; Swamp Sparrow, 3; Song Sparrow, 38. **Total**, 63 species; approximately 7030 individuals.—THOMAS SMITH, B. L. MONROE, JR., GERALD T. ROGERS, ROBERT M. MENDEL, BURT L. MONROE (Rafinesque Ornithological Club).

Bowling Green, Ky. (Chaney, McElroy, Covington, Smith Farms; along Barren and Gasper Rivers and Drake's Creek).—Dec. 22; 6.45 A.M. to 4.30 P.M. Heavy fog in morning, clear in afternoon; wind, none; temp. 33° at start, 45° at return. Observers in groups as follows: party I, 2 observers, 7 miles on foot, 30 miles by car, 9½ hours; party II, 2 observers, 8 miles on foot, 8 hours; party III, 3 observers, 8 miles on foot, 8 hours. Total hours, 25½; total miles, 30 by car, 23 miles on foot. Diameter of area covered, 15 miles. Black Vulture, 7; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Mourning Dove, 18; Barred Owl, 1; Flicker, 13; Pileated Woodpecker, 14; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 32; Prairie Horned Lark, 66; Blue Jay, 16; Crow, 205; Carolina Chickadee, 102; Tufted Titmouse, 64; White-breasted Nuthatch, 9; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 18; Mockingbird, 12; Brown Thrasher, 1 (studied at very close range with 8X glasses; recorded before in winter but never before on a census); Hermit Thrush, 1; Bluebird, 46; Cedar Waxwing, 2; Migrant Shrike, 1; Starling, 675; English Sparrow, 420; Meadowlark, 75; Bronzed Grackle, 22; Cardinal, 73; Purple Finch, 18; Goldfinch, 11; Towhee, 8;

Slate-colored Junco, 145; Tree Sparrow, 19; Field Sparrow, 9; White-crowned Sparrow, 54; White-throated Sparrow, 58; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 22. **Total**, 46 species; 2292 individuals.—HAYWARD BROWN, B. C. COLE, L. Y. LANCASTER, C. L. TAYLOR, EZZELL WELBORN, J. R. WHITMER, GORDON WILSON (Western State Teachers College).

Glasgow, Ky. (across Camp Rotary from southwest corner to beech woods on north, across entrance road, down gulch to Greshaw farm, and along banks of Skeggs Creek for about a mile, inland at bridge across Wilkinson farm to beginning point).—Dec. 22; 9 A.M. to 5 P.M. Sky overcast; very dense fog with visibility at minimum at start, clearing at 11 A.M., sunny during afternoon; light south wind; temp. 34° at start, 38° at finish. All 3 of party in single group, on foot, within 5-mile diameter. Turkey Vulture, 3; Black Vulture, 4; Red-shouldered Hawk, 2; Sparrow Hawk, 1; Mourning Dove, 100; Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 40 (this species winters in beech woods here, identified by all 3 of party); Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 9; Crow, 1225 (est.); Carolina Chickadee, 24; Tufted Titmouse, 24; Carolina Wren, 5; Starling, 15; Cardinal, 51; Goldfinch, 8; Towhee, 12; Savannah Sparrow, 4; Junco, 23; Field Sparrow, 7; White-throated Sparrow, 2; Fox Sparrow, 2; Song Sparrow, 2. **Total**, 26 species; approximately 1574 individuals.—F. EVERETT FREI (compiler), MRS. F. EVERETT FREI, H. CAL. ROGERS (members Glasgow Bird Club).

Louisville, Ky. (Ohio River from Sixth Street to Taylor Creek; Cherokee Park, Cave Hill Cemetery, Indian Hills, Prospect area and adjacent territory; by car and afoot).—Dec. 29; 8 A.M. to 4 P.M. Rain all day; windy; temp. 38° at start, 40° at return. Observers in groups as follows: party I, 4 observers, 40 miles by car, 5 afoot, 7 hours; party II, 3 observers, 20 miles by car, 5 afoot, 7½ hours; party III, 2 observers, 5 miles by car, 5 afoot, 6 hours; party IV, 1 observer, 60 miles by car, 4½ hours. Total miles by car, 125; total miles afoot, 15; total hours, 25. Mallard, 304; Black Duck, 80; Pintail, 2; Lesser Scaup, 20; Buffle-head, 3; Ruddy Duck, 2; Hooded Merganser, 4; American Merganser, 38; Red-shouldered Hawk, 1; Sparrow Hawk, 6; Bob-white, 6; Herring Gull, 15; Mourning Dove, 1; Kingfisher, 1; Flicker, 13; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue Jay, 37; Crow, 70; Carolina Chickadee, 40; Tufted Titmouse, 58; White-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 12; Bluebird, 13; Migrant Shrike, 1; Starling, 23,000 (est., those roosting on buildings in downtown area); English Sparrow, 107; Meadowlark, 13; Cardinal, 115; Goldfinch, 15; Red-eyed Towhee, 10; Junco, 141; Tree Sparrow, 11; Field Sparrow, 36; White-crowned Sparrow, 3; White-throated Sparrow, 3; Song Sparrow, 71. **Total**, 41 species; approximately 24,284 individuals.—LEONARD C. BRECHER, MARY LOUISE BRECHER, FLOYD S. CARPENTER, ALEEN CARTWRIGHT, WILLIAM M. CLAY, HARVEY B.

FORTY-FIRST CHRISTMAS BIRD CENSUS

LOVELL, ESTHER MASON, EVELYN J. SCHNEIDER, CHARLES THACHER, AUDREY WRIGHT (members Beckham Bird Club, Louisville Chapter of the Kentucky Ornithological Society).

Great Smoky Mountains National Park, Tenn. (same area as in past 3 years; circle of $7\frac{1}{2}$ -mile radius centering on Bull Head of Mt. Le Conte, and including a section of the Tennessee-North Carolina divide from Siler's Bald to the Sawtooth; also the towns of Gatlinburg and Pigeon Forge, Tenn.).—Dec. 22; 7:30 A.M. to 4:30 P.M. Clear; ground frozen, thawing at low altitudes; wind light, variable; temp. 25° to 62° in lowlands, colder in uplands. Altitude range, 1200 to 6600 feet. Observers in 5 groups as follows: party I, 8 observers, 8 hours, 10 miles afoot, 20 miles by auto; party II, 5 observers, 8 hours, 16 miles afoot, 14 miles by auto; party III, 5 observers, 8 hours, 10 miles afoot, 25 miles by auto; party IV, 6 observers, 8 hours, 7 miles afoot, 10 miles by auto; party V, 4 observers, 8 hours, 11 miles afoot. Turkey Vulture, 1; Red-tailed Hawk, 2; Duck Hawk, 1; Ruffed Grouse, 10 (1 heard drumming repeatedly); Bob-white, 9 (1 covey); Kingfisher, 2; Flicker, 2; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 5; Blue Jay, 1; Raven, 5; Crow, 220 (est.); Chickadee (both Black-capped and Carolina observed), 145; Tufted Titmouse, 31; Red-breasted Nuthatch, 46; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 10; Mockingbird, 1; Robin, 3; Hermit Thrush, 13; Bluebird, 19; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 5; Cedar Waxwing, 4; Migrant Shrike, 1; Myrtle Warbler, 2; English Sparrow, 30; Cardinal, 65; Purple Finch, 11; Pine Siskin, 400 (est.); Goldfinch, 53; Towhee, 8; Savannah Sparrow, 2; Junco (both Slate-colored and Carolina observed), 220 (est.); Field Sparrow, 180 (est.); White-throated Sparrow, 59; Song Sparrow, 64. **Total**, 42 species; approximately 1667 individuals. A good seed crop on fir probably accounts for numbers of Red-breasted Nuthatches and Pine Siskins present. Sparrow Hawk, Turkey, Phoebe, and Red Crossbill observed between Dec. 18-22.—

WILLIAM F. ALSTON, MRS. HARVEY BROOME, CARLOS C. CAMPBELL, MARY RUTH CHILES, EDWARD W. DOUGHERTY, FRELAN GODDARD, JOHN J. HAY, DR. EARL O. HENRY, H. P. IJAMS, ELIZABETH, JAMES, ROBERT, and MR. and MRS. WILLIAM M. JOHNSON, MR. and MRS. FRANK LEONHARD, DR. HENRY MEYER, ELISE MORRELL, M. C. MYLES, JR., RICHARD NEVIUS, S. A. OGDEN, EUGENE ORR, MRS. RALPH PENLAND, WILLIE RUTH REED, A. R. TUELL, WILLIAM M. WALKER, JR., WILLIAM YAMBERT (members and guests East Tennessee Ornithological Society), ARTHUR STUPKA, Park Naturalist.

Greenville, Tenn. (Reed farm along Roaring Fork Creek, Lick Creek, Bays Mt.).—Dec. 23; 7:15 to 12 M., 1:30 to 4 P.M. Clear; temp. 33° at start, 50° at return. Two observers, 4 miles on foot and 12 miles by car. Great Blue Heron, 1; Mallard, 1; Turkey Vulture, 30; Black Vulture, 20; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Mourning Dove, 65; Flicker, 1; Yellow-bellied Sapsucker, 1; Horned Lark, 5; Blue Jay, 1; Crow, 1275+; Carolina Chickadee, 8;

Tufted Titmouse, 4; White-breasted Nuthatch, 4; Bewick's Wren, 1; Carolina Wren, 6; Mockingbird, 3; Bluebird, 3; Starling, 134 (est.); Myrtle Warbler, 6; Palm Warbler, 1; English Sparrow, 22; Meadowlark, 8; Cardinal, 7; Goldfinch, 2; Towhee, 2; Junco, 26; Field Sparrow, 10; White-crowned Sparrow, 4; White-throated Sparrow, 5; Song Sparrow, 2. **Total**, 33 species; approximately 1661 individuals. Great Blue Heron, apparently injured, observed at a range of 3 yards.—RICHARD NEVIUS, WILLIE RUTH REED.

Memphis, Tenn. (same territory as previous years, omitting Mud Island and Mound City Chute, adding lower end of Benjestown Rd.; better coverage north due to separate party for Raleigh).—Dec. 22; 6:30 A.M. to 4:30 P.M. Fog at start, lifting early, then fair; wet underfoot; calm; temp. 35° to 61° . Separate auto parties north, to Raleigh, southeast, and south, all day; equal 7 groups when on foot, 3 to 6 miles for each. One on foot east 8 miles, all day; 2 in Overton Park 4 hours and 2 at river-front 1 hour; 1 in cruiser on river, late in afternoon. **Total**, 77 party hours. Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 45; Mallard, 12; Black Duck, 2; Pintail, 20; Ring-necked Duck, 16; Lesser Scaup, 38; Turkey Vulture, 8; Black Vulture, 6; Cooper's Hawk, 7; Red-tailed Hawk, 36; Red-shouldered Hawk, 9; Marsh Hawk, 7; Sparrow Hawk, 19; Bob-white, 62; Coot, 3; Killdeer, 58; Herring Gull, 8; Ring-billed Gull, 30; Mourning Dove, 105; Barred Owl, 1; Belted Kingfisher, 2; Flicker, 124; Red-bellied Woodpecker, 59; Red-headed Woodpecker, 31; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 13; Downy Woodpecker, 38; Phoebe, 3; Horned Lark, 43; Blue Jay, 314; Crow, 90; Carolina Chickadee, 132; Tufted Titmouse, 130; White-breasted Nuthatch, 11; Brown Creeper, 21; Winter Wren, 12; Bewick's Wren, 1; Carolina Wren, 68; Mockingbird, 57; Brown Thrasher, 11; Robin, 103; Hermit Thrush, 21; Bluebird, 59; Golden-crowned Kinglet, 83; Ruby-crowned Kinglet, 25; Pipit, 5; Cedar Waxwing, 56; Loggerhead Shrike, 41; Starling, 843; Myrtle Warbler, 108; English Sparrow, common; Meadowlark, 728; Red-wing, 7; Rusty Blackbird, 140; Bronzed Grackle, 135; Cowbird, 228; unidentified Blackbirds, 1175; Cardinal, 251; Purple Finch, 72; Goldfinch, 130; Towhee, 55; Savannah Sparrow, 28; Leconte's Sparrow, 2; Slate-colored Junco, 525; Field Sparrow, 351; White-crowned Sparrow, 100; White-throated Sparrow, 773; Fox Sparrow, 92; Swamp Sparrow, 93; Song Sparrow, 184; Lapland Longspur, 911. **Total**, 72 species; approximately 8993 individuals. Leconte's Sparrow hunted by 5 parties, reported separately by Mrs. Coffey and Burdick.—MR. and MRS. BEN B. COFFEY, JR., FRED CARNEY, EUGENE WALLACE, AUSTIN BURDICK, JR., ALICE SMITH, JOY MASON, JR., BEN WELCH, JR., DR. C. E. MOORE, BILLY WALKER, ROBT. TUCKER, LAWRENCE KENT, LUTHER KEETON, FRED FIELDER, JR., BOB WHITE, MARY FRANCES WHITE, DR. LOUIS LEROY, NEAL WYATT, MRS. M. L. TORTI, MR. and MRS. JOHN H. EMBURY, VIRGINIA TABER, FRANKLIN McCAMEY, JR. (members Memphis Chapter, Tennessee Ornithological Society).

AUDUBON MAGAZINE

Nashville, Tenn. (Radnor Lake, Overton Hills, Hillsboro, Hobbs and Harding roads, Bellemeade, Percy Warner Park, Westmeade, Hill estate, Jordonia marsh, Marrowbone Lake and Creek, Cumberland River bottoms at 9th Ave. and above Shelby Park, Mill Creek, etc.).—Dec. 22; 8 A.M. to 5 P.M. Dense fog which did not begin to lift until 10, becoming clear thereafter; no wind; ground bare and wet; temp. 31° to 47°. Twenty-six observers working in 10 parties. Total party hours afield, 79. Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 7; Black Duck, 8; Ring-necked Duck, 31; Lesser Scaup, 14; American Golden-eye, 5; Turkey Vulture, 1; Black Vulture, 122 (110 at a roost); Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 21; Bob-white, 25; Coot, 3; Killdeer, 35; Wilson's Snipe, 5; Herring Gull, 1 (on river); Mourning Dove, 178 (100 in one flock); Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 9; Flicker, 23; Pileated Woodpecker, 9; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 35; Horned Lark, 95; Blue Jay, 28; Crow, 64; Carolina Chickadee, 135; Tufted Titmouse, 65; White-breasted Nuthatch, 6; Brown Creeper, 4; Winter Wren, 5; Bewick's Wren, 2; Carolina Wren, 12; Mockingbird, 51; Robin, 7; Hermit Thrush, 1; Bluebird, 100; Cedar Waxwing, 21; Migrant Shrike, 2; Starling, 302; Myrtle Warbler, 5; English Sparrow, 200 (est.); Meadowlark, 56; Rusty Blackbird, 25 (1 flock); Bronzed Grackle, 24; Cardinal, 282; Purple Finch, 10; Goldfinch, 70; Towhee, 52; Savannah Sparrow, 5; Slate-colored Junco, 377; Tree Sparrow, 3; Field Sparrow, 37; White-crowned Sparrow, 32; White-throated Sparrow, 76; Fox Sparrow, 23; Swamp Sparrow, 19; Song Sparrow, 56. **Total**, 65 species; approximately 2815 individuals.—Mr. and Mrs. B. H. ABERNATHY, PAUL BRYANT, MRS. CARTER, MRS. SANDFORD DUNCAN, A. F. GANIER (compiler); W. HAYES, CONRAD JAMISON, JR., AMELIA R. LASKEY, H. C. MONK, G. R. MAYFIELD, GEO. MAYFIELD, JR., JAS. MERITT, MRS. ROBT. ORR; C. E. PEARSON, JOHN PRITCHETT, JAS. ROBINS, E. D. SCHREIBER, WM. and BOB SIMPSON, W. R. SPOFFORD, MABEL SLACK, MR. and MRS. J. M. SPEARS, H. TRACY, H. S. VAUGHN, G. B. WOODRING (Nashville Chapter, Tennessee Ornithological Society).

Reelfoot Lake, Tenn. (Mississippi River at Tiptonville and along lake by road to Samburg to Walnut Log).—Dec. 25; 7.30 A.M. to 5 P.M. Light mist and rain most of day, overcast; calm; temp. 51° to 54°. Observers together in auto 25 miles, occasional short stops and trips; 3 hours—2 in boat, 1 mile, and 3 on foot, 6 miles along south side of Upper Blue Basin and return. **Total**, 12 party hours. Pied-billed Grebe, 2; Great Blue Heron, 1; Baldpate, 2; Ring-necked Duck, 2; Canvas-back, 2; Lesser Scaup, 11; Black Vulture, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 1; Herring Gull, 1; Ring-billed Gull, 4; unidentified Gulls, 20; Mourning Dove, 1; Barred Owl, 3; Belted Kingfisher, 1; Flicker, 14; Pileated Woodpecker, 13; Red-bellied Woodpecker, 12; Red-headed Wood-

pecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 13; Blue Jay, 38; Crow, 11; Carolina Chickadee, 39; Tufted Titmouse, 5; Brown Creeper, 5; Winter Wren, 2; Carolina Wren, 19; Prairie Marsh Wren, 6; Mockingbird, 3; Brown Thrasher, 1; Robin, 47; Hermit Thrush, 2; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 3; Migrant Shrike, 1; Starling, 182+; Myrtle Warbler, 13; English Sparrow, 75 (est.); Meadowlark, 7; Red-wing, 1886; Rusty Blackbird, 206; Bronzed Grackle, 234; Cowbird, 1; unidentified Blackbirds, 20,000+; Cardinal, 81; Goldfinch, 12; Slate-colored Junco, 87; Tree Sparrow, 16; Field Sparrow, 30; White-throated Sparrow, 64; Fox Sparrow, 10; Swamp Sparrow, 7; Song Sparrow, 14. **Total**, 55 species; approximately 23,261 individuals.—BEN B. COFFEY, JR., FRANKLIN McCAMEY, JR., VIRGINIA TABER, AUSTIN BURDICK, HAROLD ELPHINSTONE.

Birmingham, Ala. (to Lake Purdy, Edgewood, East and Oxmoor lakes, Roberts' Field and environs, section along Cahaba River, woods, fields, and streams).—Dec. 22; 5.30 A.M. to 5.30 P.M. Partly cloudy; wind north, light; temp. 30° at start, 50° at return. Observers in groups as follows: party I, 2 observers, 2½ hours, 2 miles; party II, 1 observer, 5½ hours, 7 miles; party III, 1 observer, 3 hours, 4 miles; party IV, 2 observers, 4 hours, 4 miles; party V, 2 observers, 2 hours, 3 miles; party VI, 1 observer, 2 hours, 2 miles; party VII, 3 observers, 5½ hours, 5 miles; party VIII, 2 observers, 3 hours, 4 miles. **Total** miles afoot, 31; by car, 84; total hours afoot, 27½; by car, 4½. Horned Grebe, 1; Pied-billed Grebe, 7; Great Blue Heron, 1; Mallard, 3; Ring-necked Duck, 800 (est.); Lesser Scaup, 15; Buffle-head, 1; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 10; Killdeer, 94; Wilson's Snipe, 1; Mourning Dove, 1; Great Horned Owl, 2; Belted Kingfisher, 7; Flicker, 8; Pileated Woodpecker, 3; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 8; Downy Woodpecker, 17; Blue Jay, 64; Crow, 13; Carolina Chickadee, 51; Tufted Titmouse, 77; White-breasted Nuthatch, 22; Brown-headed Nuthatch, 13; Brown Creeper, 4; House Wren, 1; Winter Wren, 7; Carolina Wren, 18; Mockingbird, 11; Brown Thrasher, 9; Robin, 1; Bluebird, 38; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 10; Pipit, 75; Cedar Waxwing, 50; Shrike, 5; Starling, 10,000 (est.); Myrtle Warbler, 1; Pine Warbler, 8; Yellow-throat, 5; English Sparrow, 110; Meadowlark, 61; Red-wing, 81; Grackle, 7250; Cardinal, 75; Goldfinch, 47; Towhee, 57; Savannah Sparrow, 6; Slate-colored Junco, 89; Chipping Sparrow, 2; Field Sparrow, 182; White-throated Sparrow, 115; Fox Sparrow, 7; Swamp Sparrow, 52; Song Sparrow, 53. **Total**, 63 species; approximately 2699 individuals (excluding roost). Dec. 21, Red-tailed Hawk, 1.—MR. and MRS. A. J. BLAIR, DONALD LEE, FRED McFARLAND, HANDLEY MOOTY, MORTON PERRY, ELIZABETH and MILLARD PRATHER, HENRY and ROSA BELLE STEVENSON.

Foley, Ala. (including Gulf Shores and Bon Secour).—Dec. 27; 6 A.M. to 4.20 P.M. Cloudy

FORTY-FIRST CHRISTMAS BIRD CENSUS

most of day, with frequent heavy showers, but clear in early afternoon; wind southwest, varying from light to strong; temp. 56° at start and return, maximum about 65°. Observers in groups as follows: party I, 1 observer, 8½ hours, 6 miles; party II, 2 observers, 6 hours, 7 miles. Total miles afoot, 13; by car, 40; total hours afoot, 14½; by car, 1½. Loon, 7; Horned Grebe, 2; Pied-billed Grebe, 1; Brown Pelican, 25; Cormorant, 10; Great Blue Heron, 3; Pintail, 3; Canvasback, 4; Lesser Scaup, 1; Red-breasted Merganser, 7; Ducks (unidentified), 50; Turkey Vulture, 3; Black Vulture, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 27 (2 covies); Semipalmated Plover, 2; Killdeer, 6; Black-bellied Plover, 2; Willet, 3; Red-backed Sandpiper, 39; Semipalmated Sandpiper, 2; Sanderling, 3; Herring Gull, 60; Ring-billed Gull, 20; Laughing Gull, 1; Bonaparte's Gull, 3 (H. S.); Gull-billed Tern, 1 (H. S.); Common Tern, 1; Royal Tern, 3; Caspian Tern, 1; Mourning Dove, 24; Belted Kingfisher, 4; Flicker, 14; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 2; Red-cockaded Woodpecker, 1; Phoebe, 5; Blue Jay, 50; Crow, 3; Fish Crow, 10; Carolina Chickadee, 5; Brown-headed Nuthatch, 10; House Wren, 3; Bewick's Wren, 1; Carolina Wren, 4; Mockingbird, 24; Brown Thrasher, 8; Robin, 208; Bluebird, 26; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 16; Pipit, 12; Shrike, 16; Starling, 3; Blue-headed Vireo, 3; Myrtle Warbler, 120; Yellow-throated Warbler, 1; Pine Warbler, 27; English Sparrow, 80; Meadowlark, 68; Red-wing, 735; Boat-tailed Grackle, 2; Cardinal, 16; Goldfinch, 2; Towhee, 6; Savannah Sparrow, 10; Nelson's Sparrow, 2; Vesper Sparrow, 10; Chipping Sparrow, 20; Field Sparrow, 83; White-crowned Sparrow, 2 (R. B. S., W. A.); White-throated Sparrow, 5; Swamp Sparrow, 1; Song Sparrow, 3. **Total**, 80 species; 1972 individuals. Dec. 26, Palm Warbler; Dec. 28, Cooper's Hawk, Florida Grackle. The Bonaparte's Gulls were much smaller than the Ring-bills, but with a grayish mantle like theirs. Heavy, black bill of Gull-billed Tern satisfactorily observed at close range. These and other species of sea birds presumably were blown in by a southeasterly storm the preceding day. The 2 mature White-crowned Sparrows were found in a back yard in Foley. The white crown, pink bill, and lack of a white throat patch were noticed. The following day an immature was found at the same spot with one of the matures.—WILLIAM ARD, HENRY and ROSA BELLE STEVENSON.

Marion Junction, Ala. (In morning south and west of village of Marion Junction through pastures, cultivated fields and oak woods; in afternoon north and east of Marion Junction to banks of Cahaba River, through fields and sparse wood-lots).—Dec. 26; 7 A.M. to 12 M., 2 to 4 P.M. Cloudy with brisk wind from east; temp. 52° to 68°. **Total** miles afoot, 11; by car, 6; total party hours, 11. Turkey Vulture, 8; Black Vulture, 37; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 3; Killdeer, 47; Mourning Dove, 2;

Flicker, 20; Red-bellied Woodpecker, 4; Blue Jay, 36; Crow, 5; Chickadee, 2; Carolina Wren, 3; Mockingbird, 9; Brown Thrasher, 1; Bluebird, 21; Loggerhead Shrike, 26; Starling, 27; English Sparrow, 37; Meadowlark, 78; Red-wing, 59; Rusty Blackbird, 62; Cardinal, 36; Field Sparrow, 28; Song Sparrow, 10; Swamp Sparrow, 17. **Total**, 26 species; 582 individuals.—REV. and MRS. W. B. CLEMMONS, ANNE and MARTHA CLEMMONS, MRS. SUE B. RUFF, ROSA MAY GREEN.

Tuscaloosa, Ala. (to Warrior River, Hull Lake, river swamps, open fields, woodlands).—Dec. 23; 5:45 A.M. to 5 P.M. Mostly cloudy; wind northeast, light to moderate; temp. 40° at start, 55° at return, maximum 60°. Observers in groups as follows: party I, 1 observer, 9½ hours, 9 miles; party II, 3 observers, 1 hour, ½ mile; party III, 2 observers, 6 hours, 6 miles; party IV, 3 observers, 1½ hours, 1 mile. **Total** miles afoot, 16½; by car, 20. Total hours afoot, 18; by car, 2. Great Blue Heron, 1; Ring-necked Duck, 1; Lesser Scaup, 1; Turkey Vulture, 38; Black Vulture, 107 (both species of Vulture counted leaving roost); Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Killdeer, 12; Wilson's Snipe, 3; Mourning Dove, 5; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Flicker, 46; Pileated Woodpecker, 6; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 5; Phoebe, 2; Blue Jay, 29; Crow, 12; Carolina Chickadee, 10; Tufted Titmouse, 12; White-breasted Nuthatch, 8; Brown Creeper, 1; House Wren, 2; Winter Wren, 7; Carolina Wren, 22; Mockingbird, 15; Brown Thrasher, 21; Hermit Thrush, 3; Bluebird, 7; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 7; Pipit, 3; Cedar Waxwing, 15; Shrike, 12; Starling, 162; Orange-crowned Warbler, 2; Myrtle Warbler, 5; Pine Warbler, 1; Yellow-throat, 1; English Sparrow, 94; Meadowlark, 108; Red-wing, 20; Rusty Blackbird, 30; Grackle, 3; Cowbird, 200; Cardinal, 57; Goldfinch, 15; Towhee, 38; Savannah Sparrow, 70; Vesper Sparrow, 17; Slate-colored Junco, 11; Field Sparrow, 111; White-throated Sparrow, 291; Fox Sparrow, 3; Swamp Sparrow, 24; Song Sparrow, 22. **Total**, 64 species; 1656 individuals.—HERNDON DOWLING, HENRY STEVENSON, ROSA BELLE STEVENSON, GARLAND WOOD.

Wheeler National Wildlife Refuge, Decatur, Ala. (around Flint Creek Island, along the water and marsh edge, pine and hardwood margins, thicker clumps and hedges, and along agricultural fields).—Dec. 27; 9 A.M. to 3:30 P.M. Cloudy; light wind; rain during last 2 hours; temp. 55° to 65°. One observer. Total hours afield, 6½; total miles afoot, 7. Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 22; Mallard, 239; Black Duck, 32; Gadwall, 45; Baldpate, 18; Pintail, 2; Green-winged Teal, 27; Wood Duck, 5; Ring-necked Duck, 4; Hooded Merganser, 66; Turkey Vulture, 4; Red-tailed Hawk, 1; Marsh Hawk, 2; Killdeer, 2; Wilson's Snipe, 1; Ring-billed Gull, 3; Mourning Dove, 25; Flicker, 8; Blue Jay, 3; Crow, 11; Carolina Chickadee, 4; Bluebird, 3; Mockingbird,

AUDUBON MAGAZINE

2; Starling, 400+; English Sparrow, 4; Meadowlark, 10; Cardinal, 2; Goldfinch, 60; Savannah Sparrow, 7; Vesper Sparrow, 3; Junco, 2; Field Sparrow, 230; Swamp Sparrow, 22; Song Sparrow, 22. **Total**, 36 species; approximately 1185 individuals.—JOHN H. STEENIS (Fish and Wildlife Service).

Moon Lake (Lula), Miss. (highway just north of Dundee to Lula, along east and south sides of Moon Lake, west side along levee, through bottoms to Helena Ferry, back to north end of lake, frequent stops with observers deploying slightly from one party).—Dec. 26; 7:30 A.M. to 5:20 P.M. Fair; muddy underfoot; brisk wind, max. 16 m.p.h., white-caps on lake; temp. 42° to 54°. Total miles by car, 51. Horned Grebe, 11; Pied-billed Grebe, 3; Double-crested Cormorant, 270; Great Blue Heron, 3; Mallard, 31; Black Duck, 2; Lesser Scaup, 16; Buffle-head, 9; Ruddy Duck, 1480; Hooded Merganser, 100; American Merganser, 450; Red-breasted Merganser, 25; Turkey Vulture, 6; Black Vulture, 9; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 10; Bob-white, 25; Killdeer, 70; Wilson's Snipe, 1; Herring Gull, 8; Ring-billed Gull, 40; Mourning Dove, 66; Burrowing Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 3; Flicker, 8; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Prairie Horned Lark, 8; Blue Jay, 1; Crow, 52; Tufted Titmouse, 1; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 6; Brown Thrasher, 1; Robin, 1; Hermit Thrush, 1; Bluebird, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 1; Loggerhead Shrike, 14; Starling, 58; Myrtle Warbler, 5; English Sparrow, 108; Meadowlark, 248; Western Meadowlark, 1; Red-wing, 10; Bronzed Grackle, 4; Cardinal, 12; Goldfinch, 6; Towhee, 1; Savannah Sparrow, 133; Slate-colored Junco, 37; Field Sparrow, 89; White-crowned Sparrow, 20; White-throated Sparrow, 110; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 24; Lapland Longspur, 35. **Total**, 66 species; 3573 individuals. The Western Meadowlark was among a large flock of the southern species; its song heard distinctly several times by all observers and checked later with a recording by Gorst.—MR. and MRS. BEN B. COFFEY, JR., ALICE SMITH, AUSTIN BURDICK, JR., JOE MASON, JR., HAROLD ELPHINSTONE, FRANKLIN McCAMEY, JR., VIRGINIA TABER, BEN WELCH, JOHN POND, JAMES VARDAMAN.

Moselle, Miss. (Leaf River swamps, by flat fields, through pine woods and over hill country).—Dec. 27; 7 A.M. to 5 P.M. Drizzle to cloudy and partly cloudy; no wind; temp. 56° at start, 64° at finish. One observer. Total miles on foot, 4; by car, 33. Turkey Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Mourning Dove, 6; Flicker, 12; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Blue Jay, 32; Crow, 9; Carolina Chickadee, 15; Tufted Titmouse, 44; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 14; Brown Thrasher, 7; Robin, 76; Bluebird, 37; Cedar Waxwing, 16; Shrike, 6; Blue-headed Vireo, 1; Pine Warbler, 27; Meadowlark, 67; Rusty

Blackbird, 40; Cowbird, 6; Cardinal, 30; Towhee, 17; Savannah Sparrow, 10; Vesper Sparrow, 15; Lark Sparrow, 25; Junco, 25; Chipping Sparrow, 97; Field Sparrow, 220; White-throated Sparrow, 80; Swamp Sparrow, 5; Song Sparrow, 87. **Total**, 37 species; 945 individuals.—MARIE GRAYSON.

Onward, Miss. (open fields, swamp woods and bayous along the Mississippi River; most of the territory flooded due to recent heavy rains).—Dec. 28; 9 A.M. to 5 P.M. Overcast; slight drizzling rain in morning; temp. 44° to 50°. Total miles on foot and horseback, 8; by car, 30. Black Duck, 2; Turkey Vulture, 7; Black Vulture, 18; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 9; Bob-white, 6; Killdeer, 4; Mourning Dove, 23; Great Horned Owl, 1; Kingfisher, 1; Flicker, 19; Pileated Woodpecker, 2; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 33; Downy Woodpecker, 2; Phoebe, 2; Blue Jay, 6; Crow, 17; Tufted Titmouse, 3; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 5; Brown Thrasher, 1; Robin, 14; Hermit Thrush, 2; Bluebird, 16; Golden-crowned Kinglet, 11; Loggerhead Shrike, 15; Starling, 12; Myrtle Warbler, 4; English Sparrow, 24; Meadowlark, 8; Redwing, 231; Rusty Blackbird, 330 (est.); Bronzed Grackle, 400 (est.); Cowbird, 57; Cardinal, 2; Towhee, 11; Junco, 10; Field Sparrow, 6; White-throated Sparrow, 24; Swamp Sparrow, 55; Song Sparrow, 13. **Total**, 45 species; approximately 1445 individuals.—FLOYD B. CHAPMAN.

Ann Arbor, Mich. (along Huron River to a grove 4 miles east of town; by auto to Whitmore Lake, and up the Huron River to Dexter, 8 miles west of town).—Dec. 26; 7:30 A.M. to 12:30 P.M., 1 to 5 P.M. Overcast; drizzle; no snow on ground; river largely open, but lakes and ponds frozen; wind variable, west to northwest, about 5 m.p.h.; temp. 42° min., 49° max.; bar. 7 A.M., 28.89. First 5 hours, first 2 observers on foot; last 4 hours, 3 observers by auto and on foot; observers together. Total miles on foot, 13; by auto, 47. Black Duck, 28; Red-shouldered Hawk, 1; Ring-necked Pheasant, 2; Herring Gull, 29; Belted Kingfisher, 3; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 2; Blue Jay, 5; Crow, 30; Black-capped Chickadee, 62; Tufted Titmouse, 20; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 4; Brown Creeper, 4; Robin, 2; Golden-crowned Kinglet, 4; Cedar Waxwing, 2; Starling, 125+; English Sparrow, 300+; Cardinal, 55; Purple Finch, 19; Pine Siskin, 1; Goldfinch, 80; Slate-colored Junco, 56; Tree Sparrow, 112; Song Sparrow, 14. **Total**, 27 species; approximately 994 individuals.—JOHN L. GEORGE, MAURICE G. BROOKS, HARRY W. HANN.

Battle Creek, Mich. (from Leila Arboretum, along the Kalamazoo River west of the city to Augusta, to Gull Lake and the W. K. Kellogg Bird Sanctuary at Wintergreen Lake, taking in parts of Calhoun and Kalamazoo counties).—Dec. 29; 8 A.M. to 5 P.M. Overcast; snowing all day; very little snow on ground in morning, 3-4 inches at return; rivers and nearly all lakes open; wind northwest, moderate; visibility poor; temp. 34° at start, 33° at return. Observers in 4 groups, as follows: party 1, 3 observers, 19 hours, 1 mile

FORTY-FIRST CHRISTMAS BIRD CENSUS

afoot, 42 miles by car; party II, 3 observers, 24 hours, 7 miles afoot, 48 miles by car; party III, 2 observers, 15 hours, 2 miles afoot, 40 miles by car; party IV, 1 observer, 6 hours, 10 miles by car. Total hours, 65; total miles afoot, 10; total miles by car, 140. Canada Goose, 72; Mallard, 700 (est.); Black Duck, 1500 (est.); Gadwall, 5; Baldpate, 12; Pintail, 3; Ring-necked Duck, 23; Canvas-back, 18; Scaup, 10; Golden-eye, 200 (est.); Buffle-head, 4; Hooded Merganser, 10; American Merganser, 17; Red-breasted Merganser, 29; Bob-white, 14 (2 covies); Pheasant, 6; Coot, 2; Herring Gull, 7; Downy Woodpecker, 7; Blue Jay, 4; Crow, 5; Chickadee, 12; Tufted Titmouse, 6; White-breasted Nuthatch, 7; Brown Creeper, 1; Starling, 18; English Sparrow, 97; Cardinal, 19; Purple Finch, 18; Slate-colored Junco, 6; Tree Sparrow, 5; Song Sparrow, 1. **Total**, 32 species; approximately 2838 individuals.—EDWARD M. BRIGHAM, JR., EDWARD M. BRIGHAM, 3D, MARGARET E. GROSS, MRS. L. C. NIELSEN, MR. and MRS. THEODORE PETERSON, MILES D. PIRNIE, CON SIETTMANN, LAWRENCE H. WALKINSHAW.

East Lansing, Mich. (across M.S.C. campus, along Red Cedar River, through woods, open fields and swamps to Park Lake and vicinity of Corey's Marsh, by automobile and afoot).—Dec. 24; 9 A.M. to 5.30 P.M. Partly cloudy, with hazy sun all day; ground bare, except remains of heavy snow in swamps and along fence rows; wind light, south; temp. 32° at start, 42° at return. Observers in 3 groups, as follows: party I, 4 observers, 2½ hours, 3½ miles; party II, 4 observers, 2½ hours, 4 miles; party III, 5 observers, 3 hours, 4½ miles. Total miles afoot, 12; total hours afoot, 8; total miles by car, 16; total hours by car, 1. Rough-legged Hawk, 1; Bob-white, 4; Ring-necked Pheasant, 2; Herring Gull, 5; Barred Owl, 1; Flicker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 13; Horned Lark, 7; Blue Jay, 10; Crow, 52; Black-capped Chickadee, 43; Tufted Titmouse, 5; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 4; Brown Creeper, 1; Starling, 30; English Sparrow, 144; Cardinal, 11; Goldfinch, 2; Slate-colored Junco, 26; Song Sparrow, 2. **Total**, 22 species; 390 individuals. A total of one foot of snow had accumulated about December 1, with accompanying severe cold, which probably drove many commonly seen species farther south.—L. CLAIRE HULBERT, SEYMOUR A. AYRES, EMMETT R. POTTS, N. A. McCUNE, ERNEST F. POTTS, BRUCE V. WILSON, T. L. INGERSOLL, A. D. HULBERT.

Edwin S. George Reserve, Pinckney, Mich. (census confined, as in previous 3 years, to this 1200-acre wildlife sanctuary).—Dec. 29; 9 A.M. to 4.30 P.M. Cloudy; 3-in. fresh snow; wind west, moderate to strong; temp. 30° to 32°. On foot. Red-tailed Hawk, 1; Ruffed Grouse, 2; Bob-white, 14; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 6 (flying over); Crow, 1; Black-capped Chickadee, 11; Tufted Titmouse, 4; White-breasted Nuthatch, 5; Cardinal, 3; Tree Sparrow, 46. **Total**, 12 species; 97 individuals.—JOSELYN VAN TYNE.

Jackson, Mich. (northeastern part of Jackson County; marshes, swamps, hills, open fields and second-growth woods).—Dec. 25; 9 A.M. to 3.30

P.M. Clear; no wind; no snow on ground but some ice on marshes; temp. 30° at start, 50° at finish. Observer alone. Total hours afoot, 6½; total miles afoot, 8. American Golden-eye, 1; Marsh Hawk, 1; Bob-white, 18; Ring-necked Pheasant, 2; Great Horned Owl, 2; Belted Kingfisher, 1; Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Horned Lark, 4; Blue Jay, 12; Crow, 21; Tufted Titmouse, 2; White-breasted Nuthatch, 9; Brown Creeper, 1; Starling, 12; English Sparrow, 58; Cardinal, 18; Goldfinch, 23; Slate-colored Junco, 20; Tree Sparrow, 85. **Total**, 21 species; 383 individuals.—HAROLD WING.

Bloomington, Ind. (from the Madden farm to the Wabash River at the Adams levee, then to Turkey Run State Park by way of the Rockport Hills).—Dec. 25; 7.30 A.M. to 4 P.M. Cloudy all day; frequent mist; 40° at start, 46° at return. Walked 6 miles (measured by pedometer); 28 miles by auto. Red-breasted Merganser, 2; Turkey Vulture, 2; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 1; Mourning Dove, 8; Belted Kingfisher, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 7; Prairie Horned Lark, 45; Blue Jay, 10; Crow, 175; Black-capped Chickadee, 10; Tufted Titmouse, 12; White-breasted Nuthatch, 1; Carolina Wren, 3; Bluebird, 6; Starling, 20; English Sparrow, 200 (est.); Cardinal, 12; Goldfinch, 65; Slate-colored Junco, 150; Tree Sparrow, 125; Song Sparrow, 6. **Total**, 24 species; approximately 870 individuals.—DOROTHY MADDEN HOBSON, MARTHA JEAN MADDEN.

Brown County State Park, Ind. (observations confined to wooded 'knobs' area within 2 miles of Weed Patch Hill, including Strahl Lake and the Archery Hunting Grounds).—Dec. 22; 8.30 A.M. to 4 P.M. Clear, except for fog on uplands in early morning; little wind; temp. about 33° at start and return. Observers together. Total miles afoot, 8; by car, 20; total hours afoot, 7. Red-tailed Hawk, 1; Ruffed Grouse, 1; Bob-white, 8; Pileated Woodpecker, 1 (heard); Downy Woodpecker, 5; Prairie Horned Lark, 5; Crow, 1; Chickadee, 3; Tufted Titmouse, 13; White-breasted Nuthatch, 6; Brown Creeper, 2; Robin, 1; English Sparrow, 300+; Cardinal, 11; Junco, 35; Tree Sparrow, 18. **Total**, 15 species; approximately 410 individuals. Starlings, Carolina Wrens, Towhees, and Song Sparrows seen in thickets along Salt Creek north of census area.—C. O. SKAAR, P. D. SKAAR, R. A. SKAAR.

Fort Wayne, Ind. (starting on foot along Wabash R. R. southwest of city in muck swamp thicker and woods; Lake Everett, 12 miles west of city; on foot northeast along lake and creek).—Dec. 24; 8 A.M. to 4.30 P.M. Clear; ground bare; lake and creek partly frozen; light west wind; temp. 23° at start, 53° at return. About 20 miles by auto, 10 miles on foot. Observers together. Ring-necked Pheasant, 2; Rock Dove, 12; Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 15; Blue Jay, 4; Crow, 41; Chickadee, 26; Tufted Titmouse, 18; White-breasted Nuthatch, 8; Brown Creeper, 2; Carolina Wren, 2; Golden-crowned Kinglet, 1; Starling, 1; Myrtle Warbler, 4; English Sparrow, 500 (est.); Cardinal, 15; Purple Finch, 12;

AUDUBON MAGAZINE

Goldfinch, 87; Red-eyed Towhee, 12; Junco, 52; Tree Sparrow, 577; Song Sparrow, 68. **Total**; 23 species; approximately 1462 individuals.—HOWARD H. MICHAUD, FRANK EBERSOLE.

Indianapolis, Ind. (along White River on the boundary line between Marion and Johnson counties, and in the fields bordering the river, returning by automobile).—Dec. 26; 7 A.M. to 4.30 P.M. Overcast; slight north wind; temp. 48° at start, 44° at finish. Observers together all day. Total hours afield, 8; total miles afield, 26 (9 afoot, 17 by car). Blue Goose, 1 (imm., identified here often during last 6 weeks; probably the same bird; carefully observed as to gray plumage, white chin, size, etc.); Mallard, 50; Black Duck, 30; Gadwall, 2; Baldpate, 2; Pintail, 12; Wood Duck, 1; Lesser Scaup, 5; Hooded Merganser, 1; Sparrow Hawk, 1; Coor, 1; Mourning Dove, 48; Rock Dove, 12; Belted Kingfisher, 5; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 50; Blue Jay, 4; Crow, 200 (est.); Carolina Chickadee, 35; Tufted Titmouse, 30; White-breasted Nuthatch, 5; Brown Creeper, 4; Carolina Wren, 5; Starling, 100 (est.); English Sparrow, 50; Rusty Blackbird, 1; Cardinal, 15; Goldfinch, 60; Slate-colored Junco, 50; Tree Sparrow, 125; White-crowned Sparrow, 8 (2 ♂'s in nearly full spring plumage); Song Sparrow, 10. **Total**, 33 species; approximately 927 individuals.—JOEL HADLEY, HOWARD WRIGHT, VAL NOLAN, JR.

Indianapolis, Ind. (northwest of city, from Riverside to Bacon's Swamp and north to the county line, including Butler campus, Lake Sullivan, and Holliday Park).—Dec. 28; 7.30 A.M. to 4 P.M. Cloudy, occasional light drizzle; light north wind; temp. 41° at start and return. Total miles afoot, 8; by car, 25; total hours afield, 8. Canada Goose, 8; Blue Goose, 1 (has been at Lake Sullivan for over a month but is not crippled—color of wings, legs, and 'grinning' bill carefully noted); Mallard, 250+; Black Duck, 80+; Gadwall, 3; Pintail, 3; Wood Duck, 1 (♀); Lesser Scaup, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Bob-white, 10+ (2 covies); Coor, 1; Rock Dove, 15+; Mourning Dove, 3; Barred Owl, 1; Kingfisher, 2; Flicker, 12 (1 flock on golf green); Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 20; Blue Jay, 18; Crow, 30; Chickadee, 15; Tufted Titmouse, 25; White-breasted Nuthatch, 4; Brown Creeper, 10; Golden-crowned Kinglet, 2; Starling, 75+; English Sparrow, 40+; Cardinal, 70; Purple Finch, 6; Goldfinch, 2; Towhee, 3; Junco, 300 (est.); Tree Sparrow, 130; Song Sparrow, 50. **Total**, 36 species; approximately 1202 individuals. A census taken Dec. 23 with the assistance of Charles Marks and Richard Skaar totaled 34 species, approximately 1100 individuals, and included: Baldpate, 3; Sapsucker, 2; Carolina Wren, 1; Field Sparrow, 6. Dec. 24: Sharp-shinned Hawk, 1; Prairie Horned Lark, 8; Grackle, 2.—PALMER D. SKAAR.

Babylon, Ill. (south along west bank of Spoon River and back through woods and fields).—Dec. 28; 7 A.M. to 4.30 P.M. Overcast and misty; wind moderate, north; temp. 34° at start, 37° at return. One party, 2 observers, 8 hours. Total miles afoot, 10; total hours afoot, 8. Red-tailed

Hawk, 1; Bob-white, 10; Belted Kingfisher, 1; Red-bellied Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 17; Blue Jay, 8; Crow, 48; Black-capped Chickadee, 23; Tufted Titmouse, 9; White-breasted Nuthatch, 12; Brown Creeper, 2; Carolina Wren, 1; Starling, 1; English Sparrow, 2; Cardinal, 18; Goldfinch, 13; Slate-colored Junco, 32; Tree Sparrow, 154; Song Sparrow, 2. **Total**, 20 species; 364 individuals.—EARL J. GORDINIER, ROBERT T. SCHOLES.

Carbondale, Ill. (Giant City State Park, oak-hickory rolling hills, old fields, red cedar, yellow-pine bluffs and rocky slopes).—Dec. 29; 8 A.M. to 4.30 P.M. Cloudy; windy; light sprinkles of rain; heavy rain at end; temp. 53° at start, 50° at finish. One observer working alone. Total hours afield, 8; total miles afoot, 10; by car, 5. Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 15; Flicker, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 4; Crow, 10; Black-capped Chickadee, 69; Tufted Titmouse, 21; White-breasted Nuthatch, 1; Winter Wren, 1; Mockingbird, 3; Robin, 2; Bluebird, 5; Cedar Waxwing, 21; Northern Shrike, 6; Starling, 15; Rusty Blackbird, 5; Purple Grackle, 2; Cardinal, 8; Pine Siskin, 21; Towhee, 2; Junco, 11; Field Sparrow, 2; Song Sparrow, 4. **Total**, 29 species; 243 individuals.—W. M. MARBERRY.

Elsah, Ill. (Principia College campus to Chatauqua and Lock Haven and return).—Dec. 22; 7 A.M. to 4 P.M. Clear; ground bare; wind southwest; temp. 38° at start, 42° on return. Twenty-two miles on foot and by auto. Mallard, 100 (est.); Lesser Scaup, 422; American Golden-eye, 300 (est.); Red-tailed Hawk, 2; Marsh Hawk, 1; Chukar Partridge, 3; Bob-white, 17; Herring Gull, 12; Screech Owl, 1; Great Horned Owl, 1; Flicker, 6; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 8; Blue Jay, 2; Crow, 66; Black-capped Chickadee, 31; Tufted Titmouse, 12; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 2; Mockingbird, 2; Bluebird, 9; Cedar Waxwing, 1; Red-wing, 4; Cardinal, 44; Goldfinch, 15; Slate-colored Junco, 242; Tree Sparrow, 62; White-crowned Sparrow, 2 (imm. with 25 other Sparrows; observed at 12 feet with 8× binoculars—Wanamaker). **Total**, 33 species; approximately 1394 individuals.—ROBERT CHASE, GEORGE B. HAPP, BARBARA LYMAN, CHARLES REMINGTON, JOHN F. WANAMAKER.

Lisle, Ill. (Morton Arboretum).—Dec. 22; 9 A.M. to 4 P.M. Clear; ground bare; wind west, light; temp. 38°. About 7½ miles on foot and 5 by auto. Observers together. Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; American Rough-legged Hawk, 1; Ring-necked Pheasant, 52; Herring Gull, 1; Downy Woodpecker, 2; Blue Jay, 1; Crow, 164; Black-capped Chickadee, 5; Red-breasted Nuthatch, 3; Golden-crowned Kinglet, 5; Starling, 2; English Sparrow, 4; Cardinal, 8; Common Redpoll, 31; Pine Siskin, 6; Goldfinch, 9; Slate-colored Junco, 21; Tree Sparrow, 2. **Total**, 20 species; 320 individuals.—KARL E. BARTEL, SEYMORE LEVY

FORTY-FIRST CHRISTMAS BIRD CENSUS

Moline, Ill. (Rock River shore near Davis power plant, through woods at Black Hawk State Park, islands near power plant, and return).—Dec. 23; 10 A.M. to 4.30 P.M. Clear; snow only in protected places; ground muddy; light south wind, changing to southeast in afternoon; temp. 36° at start, 39° at return. Six observers working in 1 party. Total hours afoot, 6½; total miles afoot, 7. Red-tailed Hawk, 1; Herring Gull, 5; Great Horned Owl, 1; Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Blue Jay, 2; Crow, 2; Black-capped Chickadee, 20; Tufted Titmouse, 4; White-breasted Nuthatch, 3; Brown Creeper, 1; English Sparrow, 42; Cardinal, 2; Red-eyed Towhee, 1; Slate-colored Junco, 6. **Total**, 117 species; 96 individuals.—**RICHARD ANDERSON, JAMES FRENG, ELAINE SWANSON, LOIS SWANSON, BEVERLY TAXON, MARGARET E. ENGSTROM.**

Morrison, Ill. (along osage-orange hedges, across open upland fields, through timbered bluffs and lowlands east of Mississippi River in northwestern Whiteside County).—Dec. 27; 10.30 A.M. to 4.30 P.M. Cloudy; no snow; light north wind; temp. 32° at start, 30° at return. Two observers together 6 hours by car and afoot. Total miles afoot, 5; total hours afoot, 5. Mallard, 250 (est.); Red-tailed Hawk, 2; Herring Gull, 1; Screech Owl, 1; Great Horned Owl, 1; Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 2; Crow, 8; Chickadee, 7; White-breasted Nuthatch, 3; Starling, 7; English Sparrow, 42; Cardinal, 10; Goldfinch, 6; Junco, 4; Tree Sparrow, 35. **Total**, 18 species; 387 individuals.—**CALVIN C. REMERS, JOHN C. AOGEN.**

Pere Marquette State Park, Grafton, Ill. (chiefly Pere Marquette State Park, 1670 acres; but including near-by town of Grafton, a Federal area, and Pere Marquette Wildlife Refuge across the Illinois River; in all about one-fourth of a territory 15 miles across).—Dec. 22; 4 A.M. to 8 P.M. Clear; soft underfoot; practically no wind; temp. 30° to 65° to 45°. Twenty-nine observers in 4 groups as follows: party I, 6 observers, 9 hours, 12 miles; party II, 5 observers, 9 hours, 5½ miles; party III, 6 observers, 4 hours, 4 miles; party IV, 12 observers, 14 hours, 13 miles. Total miles by auto, 15; afoot, 18½; total hours afoot, 22. Cormorant, 32; Great Blue Heron, 1; Mallard, 588; Black Duck, 25; Red-legged Black Duck, 3; Pintail, 106; Blue-winged Teal, 6; Ring-necked Duck, 100; Scaup, 275; American Golden-eye, 502; Buffle-head (?), 3; Hooded Merganser, 10; American Merganser, 15; Ducks (unidentified), 500 (est.); Cooper's Hawk, 7; Red-tailed Hawk, 27; Red-shouldered Hawk, 8; Bald Eagle, 8; Marsh Hawk, 3; Sparrow Hawk, 12; Hawks (unidentified), 3; Bob-white, 30; Ring-necked Pheasant, 3; Coot, 2; Herring Gull, 175; Ring-billed Gull, 800 (est.); Mourning Dove, 1; Screech Owl, 3; Great Horned Owl, 3; Barred Owl, 5; Kingfisher, 5; Flicker, 47; Pileated Woodpecker, 8 (2 seen overhead in tree, very tame); Red-bellied Woodpecker, 19; Red-headed Woodpecker, 367; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 23; Downy Woodpecker, 60; Horned Lark, 1; Blue Jay, 76; Crow, 275; Chickadee, 89; Tufted Tit-

mouse, 102; White-breasted Nuthatch, 54; Brown Creeper, 7; Carolina Wren, 25; Robin, 3; Bluebird, 66; Cedar Waxwing, 6; Migrant Shrike, 1; Starling, 66; English Sparrow, 496; European Tree Sparrow, 30; Meadowlark, 2; Red-wing, 1; Bronzed Grackle, 1; Cardinal, 246; Goldfinch, 58; Junco, 347; Tree Sparrow, 548; White-crowned Sparrow, 1 (seen at 20 feet for 15 minutes); White-throated Sparrow, 7; Fox Sparrow, 4; Swamp Sparrow, 6; Song Sparrow, 31. **Total**, 63 species; approximately 6337 individuals.—**TOM AKIN, DONALD BERTMAN, JOHN S. BILLHEIMER, MRS. GUY BONNEY, CHARLEY CALLAHAN, DAVID DALE, FATHER RAY FRANZEN, CORA HUTCHINSON, LOUISE HUTCHINSON, O. C. K. HUTCHINSON, TOM HUTCHINSON, LEONARD LEVITT, CECILIA M. LOFF, HELEN LOHMEYER, DONALD M. MENKE, RAY MORGAN, IDA PLUMMER, JEROME PLUMMER, OPEL M. RIPPY, BILL ROBERTSON, ED. C. SPARKS, HAROLD STEINHAUSER, JAMES STROKER, LORA WARD, M. H. WARD, ALICE WATERBURY, ANN WATERBURY, MR. and MRS. NEIL WATERBURY (members Pere Marquette Nature League).**

Springfield, Ill. (same area as in previous years, radiating 7½ miles from Springfield as center, and including Lake Springfield).—Dec. 26; 7 A.M. to 5.30 P.M. Foggy; drizzle; wind moderate, northeast; temp. 55° all morning, down to 42° by afternoon. Twelve observers in groups as follows: party I, 2 observers, 8½ hours, 4 miles; party II, 2 observers, 8½ hours, 10 miles; party III, 2 observers, 8 hours, 6 miles; party IV, 2 observers, 8 hours, 6 miles; party V, 1 observer, 3½ hours, 2½ miles; party 6, 3 observers, 6 hours, 1 mile. Total hours, 42½; total miles afoot, 29½. Canada Goose, 60; Mallard, 2280 (est.); Black Duck, 1000 (est.); Red-legged Black Duck, 10; Pintail, 62; Green-winged Teal, 1 (Allyn); Scaup, 15; Red-breasted Merganser, 10; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 8; Bob-white, 75; Ring-necked Pheasant, 25; Coot, 1; Herring Gull, 43; Ring-billed Gull, 400 (est.); Mourning Dove, 3; Screech Owl, 2; Barred Owl, 6; Short-eared Owl, 1; Kingfisher, 3; Flicker, 16; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 10; Hairy Woodpecker, 27; Downy Woodpecker, 71; Horned Lark, 10; Blue Jay, 107; Crow, 165; Chickadee, 360 (!); Tufted Titmouse, 417; White-breasted Nuthatch, 17; Brown Creeper, 16; Carolina Wren, 8; Robin, 1; Hermit Thrush (?), 1; Ruby-crowned (?) Kinglet, 1; Cedar Waxwing, 5; Starling, 292; English Sparrow, 1762; Cardinal, 238; Purple Finch, 1; Goldfinch, 25; Towhee, 2 (seen in several woods by different groups); Junco, 577; Tree Sparrow, 100; White-crowned Sparrow, 1; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 29. **Total**, 53 species; 8310 individuals.—**RICHARD ALLYN, CHRISTINE BONNEY, WM. H. BUTLER, LENA HARBARGER, LOIS HARBARGER, LOIS HOPWOOD, REV. GEORGE M. LINK, IVAH E. MOORE, N. E. NILSSON, WM. O'BRIEN, BILL ROBERTSON, EDITH SUTTON (members Springfield Nature League).**

Waukegan, Ill. (Public Service of Northern Illinois Lake, lake front, adjoining fields and woods, feeding stations at Zion, woods along

AUDUBON MAGAZINE

Des Plaines River).—Dec. 22; 8.30 A.M. to 4.30 P.M. Fair in A.M. to dark and overcast in P.M.; wind steady, northwest to north to northeast; temp. 35° at start, 41° at midday, 38° on return. Observers together. Mallard, 25; Black Duck, 26; Green-winged Teal, 1 (♂); Lesser Scaup, 300 (est.); American Golden-eye, 100 (est.); Buffle-head, 8; Old-squaw, 6 (2 dead on shore); Hooded Merganser, 3 (♀); American Merganser, 500; Red-breasted Merganser, 6 (♀); Rough-legged (?) Hawk, 1; Sparrow Hawk, 1; Pheasant, 1; Coot, 3; Herring Gull, 500 (est.); Ring-billed Gull, 1; Downy Woodpecker, 3; Blue Jay, 3; Crow, 50; Starling, 200; English Sparrow, 400 (est.); Red-wing, 1; Cardinal, 4; Purple Finch, 4; Junco, 20; Tree Sparrow, 5. **Total**, 26 species; approximately 2172 individuals.—Dr. JACK COWEN, H. H. HAGEY, JR., DR. ALFRED LEWY, SYDNEY STEIN, JR.

Appleton, Wisc. (city parks and streets, river front and thickets, open fields, lake front, willow, tamarack and cedar swamp, alder thicket and hardwoods).—Dec. 26; 8 A.M. to 5 P.M. Overcast; ground bare in places, 1-6-in. snow in others; no wind; temp. 33° at start, 40° at noon, 35° at finish. Five observers in 4 parties. Total party hours afield, 13½ (10 afoot, 3½ by car); total party miles, 145 (20 afoot, 125 by car). Mallard, 1; Black Duck, 26; Scaup, 20; American Golden-eye, 370+; American Merganser, 375+; Herring Gull, 380+; Barred Owl, 1 (Wolfe, K. Rogers, Seaborne); Flicker, 1 (Wolfe, Rogers, Seaborne); Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 19; Crow, 8; Chickadee, 25; White-breasted Nuthatch, 12; Brown Creeper, 18; Starling, 55+; English Sparrow, 1400+; Purple Finch, 1; Goldfinch, 37. **Total**, 19 species; approximately 2757 individuals.—Mrs. WALTER E. ROGERS, KAY T. ROGERS, DEXTER L. WOLFE, BEN SEABORNE, Mrs. H. L. PLAYMAN.

Lake Geneva, Wisc. (around entire lake by car, stopping at suitable localities for walks).—Dec. 22; 6.45 A.M. to 4.15 P.M. Clear in morning, cloudy in afternoon; ground partly covered by snow; lake entirely free of ice; moderate east wind; temp. 25° at start, 42° at return. About 25 miles by car, 8 miles on foot. Pied-billed Grebe, 2; Whistling Swan, 1; Canada Goose, 400±; Mallard, 100±; Black Duck, 10; Redhead, 2; Ring-necked Duck, 3; Canvas-back, 10; Lesser Scaup, 12; Golden-eye, 250±; Buffle-head, 21; Old-squaw, 5; Hooded Merganser, 22; American Merganser, 4; Ring-necked Pheasant, 5; Coot, 150±; Herring Gull, 25; Ring-billed Gull, 5; Hairy Woodpecker, 2; Downy Woodpecker, 20; Prairie Horned Lark, 1; Blue Jay, 1; Crow, 35±; Chickadee, 15; White-breasted Nuthatch, 4; Brown Creeper, 4; Starling, 10; English Sparrow, 10; Goldfinch, 50±; Slate-colored Junco, 8; Tree Sparrow, 40; Song Sparrow, 1; Lapland Longspur, 2. **Total**, 33 species; 1230± individuals. The Whistling Swan was seen as close as 150 feet; black bill, straight neck noted, seen at rest and in flight.—C. O. PALMQUIST.

Green Bay, Wisc. (city parks and cemeteries and surrounding country, woods, swamps, fields and bay shore).—Dec. 29; 7 A.M. to 4 P.M. Cloudy; very light snow; north wind, 12 m.p.h.; temp. 31° at start, 31° at return. Seventeen observers

working in 4 parties. Total party hours afield, 18 (13 afoot, 5 by car); total party miles, 108 (20 afoot, 88 by car). Canada Goose, 5; American Golden-eye, 300 (est.); American Merganser, 180; Ruffed Grouse, 3; Ring-necked Pheasant, 12; Herring Gull, 93; Red-headed Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 8; Blue Jay, 49; Crow, 4; Chickadee, 41; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 2; Brown Creeper, 3; Robin, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 4 [no details—Ed.]; Northern Shrike, 1; Starling, 75; English Sparrow, 253; Purple Finch, 5; Redpoll, 13; Goldfinch, 111. **Total**, 24 species; 1193 individuals.—DONALD LIEBMANN, EDWIN D. CLEARY, WINFRED FONDER, Mrs. A. WEBER, Mrs. F. B. GARRETT, CLARA HUSSONG, R. P. HUSSONG, ED. PAULSON, CARL PAULSON, Mrs. ED. O. PAULSON, V. SUE MILLER, ETHELYN WENZLAFF, ELMER W. STREHLER, ELRED J. WETLI, JOHN HOLTERMAN, CHESTER KRAWCZYK, DOROTHY C. FORD (Green Bay Bird Club).

Madison, Wisc. (around Lake Mendota on foot, excluding area within Madison city limits).

—Dec. 24; 7 A.M. to 4.30 P.M. Cloudy with dense fog; remaining snow; light easterly wind; lake nearly all frozen; temp. 34° at start, 36° at return. Observers together. Distance walked, 20 miles. Mallard, 50; Lesser Scaup, 1; Golden-eye, 12; Red-tailed Hawk, 1; Bob-white, 3; Ring-necked Pheasant, 30; Coot, 2; Herring Gull, 10; Ring-billed Gull, 20; Mourning Dove, 1; Barred Owl, 1; Flicker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 30; Blue Jay, 26; Crow, 40; Chickadee, 60; White-breasted Nuthatch, 15; Brown Creeper, 8; Starling, 300 (est.); English Sparrow, 500 (est.); Meadowlark, 1; Cardinal, 20; Siskin, 21; Junco, 10; Tree Sparrow, 5. **Total**, 26 species; about 1175 individuals.—ARNOLD JACKSON, JR., N. R. BARGER.

Madison, Wisc. (Lake Waubesa, Arboretum, south and west shore of Lake Mendota, and woodlands near Pine Bluff).—Dec. 23; 6 A.M. to 5 P.M. Fair; 3-in. snow on ground with bare spots on south slopes; temp. 29° at start, 35° at return. Twenty observers working in 5 parties. Total party hours afield, 40 (36 afoot, 4 by car); total party miles, 153 (43 afoot, 110 by car). Mallard, 1250; Black Duck, 242; Gadwall, 9; Green-winged Teal, 3; Ring-necked Duck, 5; Lesser Scaup, 150; American Golden-eye, 66; Hooded Merganser, 3 (D. Kendall); American Merganser, 5; Red-breasted Merganser, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1 (Jackson); Marsh Hawk, 1; Ruffed Grouse, 1; Bob-white, 39; Pheasant, 184; Coot, 6; Wilson's Snipe, 1; Herring Gull, 30; Mourning Dove, 1; Great Horned Owl, 2; Barred Owl, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 46; Northern Horned Lark, 6; Prairie Horned Lark, 1 (Robbins); Blue Jay, 100 (est.); Crow, 86; Chickadee, 100 (est.); White-breasted Nuthatch, 60; Red-breasted Nuthatch, 3; Brown Creeper, 13; Robin, 2; Bluebird, 3 (Barger, Marks); Golden-crowned Kinglet, 5; Cedar Waxwing, 7; Starling, 275; English Sparrow, 1800 (est.); Cardinal, 21; Purple Finch, 4; Redpoll, 17;

FORTY-FIRST CHRISTMAS BIRD CENSUS

Pine Siskin, 3; Goldfinch, 92; Junco, 41; Tree Sparrow, 14; Swamp Sparrow, 1; Song Sparrow, 1; Lapland Longspur, 1; Snow Bunting, 2. **Total**, 51 species; approximately 4727 individuals.—Mr. and Mrs. N. R. BARGER, BOB BARNATH, BOB DIXON, BILL ELDER, KATHRYN HART, LEE HASKIN, ELLEN HOFFMAN, BILL HUNT, ARNOLD JACKSON, BOB KENDALL, DAVE KENDALL, CARL LEOPOLD, NINA LEOPOLD, JACKS MARKS, ARPED MASLEY, SAM ROBBINS, RUTH STILLMAN, DAN THOMPSON, MRS. R. A. WALKER (Madison Bird Club).

Port Washington, Wisc. (Lake Michigan shore, Port Washington harbor and north; birch-alder woods, sandy shore, uncultivated fields, farmland and protected harbor water).—Dec. 29; 9:30 A.M. to 4:30 P.M. Heavily overcast; no snow on ground; wind north, about 8 m.p.h.; temp. 31° at start, 33° at return. Two observers working in 1 party. Total party hours afield, 7 (¾ by car, 6¼ on foot); total party miles, 55 (44 by car, 11 on foot). Lesser Scaup, 36; American Merganser, 3; Herring Gull, 175; Crow, 4; English Sparrow, 20. **Total**, 5 species; 238 individuals.—J. C. NESS, P. F. NESS.

Racine, Wisc. (same area covered as last year; Racine county line, south to Wind Point and the harbor; Washington Park, 4 miles up Root River, and Graceland woods; Meachem woods and Petrifying Springs).—Dec. 28; 7 A.M. to 5 P.M. Sky leaden; moderate northeast wind, changing to east by 10 A.M.; ground bare and unfrozen; temp. 36° at start, 38° at return. Observers in groups as follows: party I, 2 observers, 9 miles by car, 12 afoot, 9 hours; party II, 3 observers, 2 miles by car, 12 afoot, 10 hours; party III, 2 observers, 15 miles by car, 5 afoot, 7 hours. Total miles by car, 26; afoot, 29; total hours, 26. Canada Goose, 1; American Golden-eye, 191; Buffle-head, 56; Oldsquaw, 28; American Merganser, 51; Sparrow Hawk, 1; Pheasant, 16; Herring Gull, 1078+; Ring-billed Gull, 46 (est.); Mourning Dove, 11; Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 22; Crow, 30; Chickadee, 1; White-breasted Nuthatch, 9; Starling, 133; English Sparrow, 78; Cardinal, 8; Purple Finch, 3; Redpoll, 2; Pine Siskin, 13; Goldfinch, 3; Slate-colored Junco, 61; Tree Sparrow, 20; Song Sparrow, 30. **Total**, 27 species; 1906+ individuals. A Tufted Titmouse was seen Dec. 27 by Rasmussen near Petrifying Springs.—EDWARD PRINS, ELMER HANSEN, GEORGE PRINS, ROBERT RASMUSSEN, HANS ZELL, WALTER NELSON, FRANK NELSON (members Hoy Nature Club).

Stoughton, Wisc. (along Yahara River from Turner's Woods (oak) to Skaalen's Bridge, to Orphans' Home woods (oak, large thickets) and return on opposite side of river marsh; then to Lake Kegonsa and return across open fields).—Dec. 23; 8 A.M. to 3 P.M. Overcast and foggy; visibility fair; 5-in. old snow; light southwest wind; river open, lake frozen; temp. 32° at start, 32° at finish. Three observers working together. Fifteen miles afoot. Red-tailed Hawk, 1; Bobwhite, 7; Ring-necked Pheasant, 4; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 10; Crow, 9; Black-capped Chickadee, 4; White-breasted Nuthatch, 6; Starling, 62; English Spar-

row, 152; Cardinal, 2; Goldfinch, 3; Slate-colored Junco, 2; Tree Sparrow, 6; Snow Bunting, 6. **Total**, 16 species; 283 individuals.—JAMES B. HALE, DOUGLAS STOKSTAD, ARTHUR AMUNDSON, JR.

Watertown, Wisc. (Maskiki Waterg swamps south of Watertown, Rock River from Pipersville to Watertown to Hahn's Lake, Faville's Grove Game Area, Rock Lake, about 2 miles of open water on the river).—Dec. 27; 7:30 A.M. to 5 P.M. Cloudy; little snow on the ground; light north wind; temp. 36° at start, 34° at return. Observers in groups as follows: party I, 1 observer, 2 hours, 3 miles; party II, 1 observer, 2 hours, 4 miles; party III, 2 observers, 7 hours, 13 miles afoot, 3 miles by car; party IV, 1 observer, 8½ hours, 17 miles; party V, 1 observer, 7½ hours, 12 miles; party VI, 1 observer, 6 hours, 11 miles; party VII, 1 observer, 5 miles, 3 hours. Total miles afoot, 65; total hours afoot, 36. Mallard, 2; Black Duck, 1; Ring-necked Duck, 2; American Golden-eye, 48; Red-tailed Hawk, 8; American Rough-legged Hawk, 1 (Bussewitz); Hungarian Partridge, 31 (4 covies); Bob-white, 24 (2 covies); Pheasant, 70; Herring Gull, 22; Mourning Dove, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Flicker, 8; Red-bellied Woodpecker, 1 (bird observed with 8X binoculars at 50 feet—Owen); Hairy Woodpecker, 18; Downy Woodpecker, 26; Horned Lark, 11; Blue Jay, 24; Crow, 85; Black-capped Chickadee, 117; White-breasted Nuthatch, 37; Brown Creeper, 4; Golden-crowned Kinglet, 1; Starling, 25; English Sparrow, 572; Purple Finch, 6; Common Redpoll, 5; Slate-colored Junco, 7; Tree Sparrow, 42; Song Sparrow, 4; Lapland Longspur, 28. **Total**, 34 species; approximately 1237 individuals.—A. FISHER, G. NIERRE, O. OWEN, C. SCHOENFELDT, ALFRED WALLNER, E. E. BUSSEWITZ.

Waukesha, Wisc. (Mukwonago marsh, extensive swamp lands south of city; points of interest along Fox River).—Dec. 26; 7:30 A.M. to 12 M., 1:30 to 3:30 P.M. Cloudy; light northwest wind; temp. 43° at start, 40° at return. Two parties, 5 observers. Total party hours afield, 6½ (5 afoot, 1½ by car); total party miles, 49 (35 by car, 14 afoot). Ring-necked Pheasant, 6; Herring Gull, 5; Flicker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 1; Crow, 300 (est.); Black-capped Chickadee, 30; White-breasted Nuthatch, 1; Northern Shrike, 1; Starling, 12; English Sparrow, 100 (est.); Goldfinch, 12; Slate-colored Junco, 4; Tree Sparrow, 250. **Total**, 15 species; approximately 737 individuals.—Prof. V. P. BATRA, VERNON C. ROSSMAN (Benj. F. Goss Bird Club); JOHN LOCKMAN, JAMES GREEB, WALTER DIEKFUS, JR. (Wise Owls Junior Bird Club).

Fairmont, Minn. (woods along shores of South Silver and Iowa lakes, through fields, and returning to Fairmont by automobile).—Dec. 25; 8 A.M. to 4:30 P.M. Clear; 14-in. crusted snow in woods, no snow in open fields; no wind; temp. 28° at start, 35° at return. Two observers together. Total hours afield, 6½ (5½ afoot, 1 by car); total miles, 24 (11 afoot, 13 by car). Mallard, 350+; Red-tailed Hawk, 1; Pheasant, 3; Barred Owl, 1; Flicker, 1; Hairy Woodpecker, 8; Crow, 26; Chickadee, 4; Brown Creeper, 4; English Sparrow,

AUDUBON MAGAZINE

43; Purple Finch, 1; Junco, 7. **Total**, 12 species; approximately 449 individuals. Ducks seen in open water at Interlaken Game Refuge, as in census last year.—**Dr. G. H. LUEDTKE, DONALD W. SYDOW.**

Fort Snelling, Minn. (along Mississippi River through Fort Snelling to Bass Pond returning past the new National Cemetery).—Dec. 29; 7.30 A.M. to 2.30 P.M. Overcast; freshly fallen snow; no wind until noon; temp. 32° at start, 35° at return. Observers together. Total miles afoot, 15; total hours afoot, 7. Pied-billed Grebe, 1; Mallard, 150+; Gadwall, 1; Shoveller, 1; Bob-white, 15; Ring-necked Pheasant, 35; Coot, 1; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 2; Crow, 4; Black-capped Chickadee, 8; White-breasted Nuthatch, 10; English Sparrow, 75+; Goldfinch, 1; Tree Sparrow, 1. **Total**, 17 species; approximately 311 individuals. The Grebe, Gadwall, Shoveller, and Coot were all seen at very close range at the same pond; present during fall and early winter.—**WILLIAM CUMMINGS, BYRON HARRELL.**

Minneapolis, Minn. (Nine Mile Creek, Longmeadow, Nichols and Bass Pond).—Dec. 22; 10 A.M. to 5 P.M. Clear; 15-in. snow on the level, badly drifted; temp. 22° at start, 30° at finish. Observers together. Total miles afoot, 7; total miles by car, 15. Mallard, 127; Ring-necked Pheasant, 48; Wilson's Snipe, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 2; Crow, 5; Black-capped Chickadee, 16; White-breasted Nuthatch, 11; Brown Creeper, 6; Robin, 1; Starling, 66; English Sparrow, 300 (est.); Red-wing, 1; Cardinal, 1; Slate-colored Junco, 7; Tree Sparrow, 17. **Total**, 17 species; approximately 618 individuals.—**MR. and MRS. E. D. SWEDENBORG.**

Backbone State Park (Delaware Co.), Iowa.—Dec. 22; 9 A.M. to 4.30 P.M. Clear; 3-in. snow in the open, 6-in. in the timber; very light east wind; temp. 30° at start, 38° at return. Total foot mileage in the park per person, about 5; the trip included an auto ride from Winthrop to the Park and return, and the census includes the birds seen along the road. Observers together except for short side-trips on foot. Red-tailed Hawk, 1; Rough-legged Hawk, 2; Ring-necked Pheasant, 14; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 10; Crow, 38; Chickadee, 12; White-breasted Nuthatch, 12; Northern Shrike, 1; Starling, 46; English Sparrow, 100 (seen only around farm buildings); Meadowlark, 3; Cardinal, 6; Purple Finch, 1; Goldfinch, 32; Slate-colored Junco, 12; Tree Sparrow, 35; Song Sparrow, 1. **Total**, 20 species, 336 individuals.—**MR. and MRS. MYRLE L. JONES, MARGARET MURLEY, PAUL A. PIERCE, MR. and MRS. FRED J. PIERCE.**

Cedar Falls, Iowa (Josh Higgins Park, Island Park to Snag Creek, return to Tourist Park; open deciduous timber, pastures, river bank).—Dec. 28; 9 A.M. to 3.10 P.M. Overcast; light snow; light east wind; temp. 32°. Seven observers working in 2 parties. Total party hours afield, 20 (afoot); total party miles, 42 (afoot). Mallard, 2; Red-breasted Merganser, 1 (Bliese); Red-shouldered

Hawk, 3; Belted Kingfisher, 2; Red-bellied Woodpecker, 1 (Deal, Tay, Eiler); Hairy Woodpecker, 1 (Deal, Tay, Eiler); Downy Woodpecker, 9; Blue Jay, 4; Crow, 15; Black-capped Chickadee, 30; White-breasted Nuthatch, 10; Brown Creeper, 2; Robin, 2; Cedar Waxwing, 30; Starling, 31; Cardinal, 4; Common Redpoll, 2; Slate-colored Junco, 52; Tree Sparrow, 14. **Total**, 19 species; 215 individuals.—**MRS. LOLA DEAL, MRS. HELEN TAY, MRS. MARY EILER, JOHN BLIESE, MRS. MARGARET BLIESE, MRS. JENNIE BAXTER, MRS. BEULAH RUGG.**

Des Moines, Iowa (Water Works Park or Charles Sing Denman Wood, Walnut Wood State Park, Brenton's Slough, Dovewood along Beaver Creek, Morning Star and Fisher's Lake area; afoot and by automobile).—Dec. 27; 7.30 A.M. to 5 P.M. Scattered snow, soft under foot; cloudy, visibility poor; north wind, 8 m.p.h.; temp. 33° at start, 32° at return. Observers in groups as follows: party I, 2 observers, 6 hours, 2 miles afoot, 20 miles by automobile; party II, 4 observers, 6 hours, 8 miles afoot, 18 miles by automobile; party III, 2 observers, 8 hours, 6 miles afoot, 40 miles by automobile; party IV, 3 observers, 8 hours, 11 miles afoot, 33 miles by automobile. Total miles afoot, 27; total hours afoot, 36. Mallard, 602; Gadwall, 2; Baldpate, 1; Pintail, 33; Blue-winged Teal, 18; Sharp-shinned Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Marsh Hawk, 8; Sparrow Hawk, 7; Bob-white, 54; Screech Owl, 2; Great Horned Owl, 8; Barred Owl, 2; Long-eared Owl, 4; Short-eared Owl, 6; Saw-whet Owl, 3; Kingfisher, 1; Flicker, 10; Red-bellied Woodpecker, 20; Hairy Woodpecker, 14; Downy Woodpecker, 88; Blue Jay, 77; Crow, 1870; Chickadee, 392; Titmouse, 99; White-breasted Nuthatch, 74; Brown Creeper, 13; Brown Thrasher, 2; Robin, 3; Cedar Waxwing, 1; Starling, 20; English Sparrow, 609; Cardinal, 160; Purple Finch, 2; Goldfinch, 43; Red-eyed Towhee, 2; Junco, 298; Tree Sparrow, 221; Harris's Sparrow, 11; White-crowned Sparrow, 2 [no details.—**En.**]; Fox Sparrow, 2; Song Sparrow, 2. **Total**, 43 species; approximately 4800 individuals. One area embracing approximately 1000 acres of hemp and sunflower has been cut and burned, which accounts for decreased number of Juncos, Tree Sparrows and Pine Siskins.—**MR. and MRS. A. J. BINSFELD, RALPH CHILDS, A. F. DENBOER, MRS. RUSSELL GRAVES, MRS. JOHN W. HARVEY, JOY HARVEY, OLIVIA MCCABE, MRS. HAROLD R. PEASLEY, DWIGHT SMITH, MRS. R. J. THORNBURG, MRS. TONI R. WENDELBURG** (Des Moines Audubon Society).

Dubuque, Iowa (Linwood Cemetery, Eagle Point Park, and Frenness Lake on the Illinois side of the Mississippi River 4 miles south of the city; prairie hillsides, coniferous groves, wooded floodplain).—Dec. 22; 8.30 A.M. to 4.30 P.M. Fair, somewhat hazy; no wind; temp. 30° at start, 42° on return. Sixteen observers working as a single party in 3 cars. Total party hours afield, 8; total party miles, 10 (2 afoot, 8 by car). American Merganser, 11; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Bob-white, 1; Herring Gull, 12; Ring-billed Gull, 24; Barn Owl, 1 (seen by entire party at close range); Screech

FORTY-FIRST CHRISTMAS BIRD CENSUS

Owl, 1; Great Horned Owl, 1; Barred Owl, 6; Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 14; Blue Jay, 75; Crow, 105; Black-capped Chickadee, 60; Tufted Titmouse, 7; White-breasted Nuthatch, 20; Brown Creeper, 7; Golden-crowned Kinglet, 12; Northern Shrike, 1; Starling, 8; English Sparrow, 250; Cardinal, 20; Goldfinch, 40; Red Crossbill, 1; Slate-colored Junco, 50; Tree Sparrow, 107. Total, 32 species; 866 individuals.—CLIFFORD BLADES, LYLE BRADLEY, ETHAN HEMSLEY, HENRY HERRMANN, MR. and MRS. ED. HEUSER, MR. and MRS. R. W. JOHNSON, MARGARET KOHLMAN, PAUL KORT, AL KWASKY, BOB MCCOMISH, DAVID REED, IVAL SCHUSTER, DONALD SMITH, WILLIAM A. WEBER (Dubuque Bird Club).

Harpers Ferry, Iowa (Mississippi River bottom from Marquette to Dike No. 9, Yellow River and Paint Creek bottoms and adjoining bluffs).—Dec. 22; 7.15 A.M. to 4 P.M. Clear; 6-in. crusted snow; light north wind; temp. 18° at start, 30° at return. Observers together. Total miles afoot, 8; total hours afoot, 5; total miles by auto, 58; total hours by auto, 3¾. Red-shouldered Hawk, 1; Ring-necked Pheasant, 4; Herring Gull, 2; Barred Owl, 1; Kingfisher, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 19; Hairy Woodpecker, 9; Downy Woodpecker, 22; Blue Jay, 24; Crow, 53; Chickadee, 41; White-breasted Nuthatch, 13; Starling, 1; English Sparrow, 465; Cardinal, 57; Purple Finch, 1; Goldfinch, 12; Junco, 20; Tree Sparrow, 82. Total, 20 species; approximately 833 individuals.—ROBERT BURLING, GLENN R. DOWNING, ARTHUR J. PALAS.

Keokuk, Iowa (along west bank of lake at du Pont Powder Works, then west through woods near settlement, circling back and around east shore of lake; also through woods and fields of the Fred Lemon farm near-by; and by car along river road between Rand Park and Price's Creek).—Dec. 23; 9 A.M. to 5 P.M. Hazy in morning, clear in afternoon; no wind; temp. 29° at start, 47° at finish. Ten observers working in 3 parties (2 in morning, 1 in afternoon). Total party hours, 8½ (8 afoot, ½ by car); total party miles, 16 (15 afoot, 1 by car). American Golden-eye, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Herring Gull, 7; Flicker, 4; Red-bellied Woodpecker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 4; Blue Jay, 6; Crow, 31; Black-capped Chickadee, 16; Tufted Titmouse, 11; White-breasted Nuthatch, 10; Starling, 3; English Sparrow, 45; Cardinal, 5; Slate-colored Junco, 52. Total, 18 species; 224 individuals.—DOROTHY WELLS, LUCY JEWETT, BOB MILLER, VICTOR ENOCH, ROY MEAUX, LEO CHANCE, HARRY NORDSTROM, LEO LEMON, JIM HUNTER, R. F. TRUMP (Senior High Conservation Club).

Ogden, Iowa (to the north bridge and along the wooded section of the Des Moines River, open fields northwest of Ogden, along Beaver Creek southwest of Ogden, to the Ledges State Park on the Des Moines River southeast of Ogden and return).—Dec. 22; 7.30 A.M. to 5 P.M. Clear; 6-in. old snow, few open patches; no wind; temp. 25°

at start, 45° at noon, 40° at return. Two observers together. Total hours afield, 9 (6 afoot, 3 by car); total miles, 67 (8 afoot, 59 by car). Mallard, 205; Green-winged Teal, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 2; Bobwhite, 32; Ring-necked Pheasant, 14; Great Horned Owl, 1; Barred Owl, 1; Flicker, 10; Red-bellied Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 10; Crow, 96; Black-capped Chickadee, 45; Tufted Titmouse, 2; White-breasted Nuthatch, 16; Starling, 112; English Sparrow, 82; Western Meadowlark, 27; Red-wing, 16; Cardinal, 13; Goldfinch, 18; Red-eyed Towhee, 1; Slate-colored Junco, 73; Tree Sparrow, 57; Song Sparrow, 2. Total, 28 species; 855 individuals.—ROBERT WALKER, EARL R. PETERSON.

Sioux City, Iowa (Big Sioux River from Riverside Park to War Eagle's Park, Graceland and Logan Park Cemeteries, Stone Park, municipal airport, Brower's Lake, South Ravine, Grandview Park and Floyd River valley; all in Woodbury County).—Dec. 22; 9 A.M. to 5 P.M. Clear; melting snow; breeze; temp. 20° at start, 36° at return. Observers in groups as follows: party I, 4 observers, 2 hours, 2 miles; party II, 3 observers, 1 hour, ½ mile; party III, 7 observers, 2 hours, 1 mile; party IV, 3 observers, 1 hour, 1 mile; party V, 4 observers, 1 hour, 1 mile; party VI, 2 observers, 1 hour, ½ mile; party VII, 2 observers, 2 hours, 1 mile. Total miles afoot, 7; total hours afoot, 10. Red-tailed Hawk, 1; American Rough-legged Hawk, 1; Belted Kingfisher, 1 (on open portion of Big Sioux, Lafoon); Flicker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 4; Blue Jay, 5; Magpie, 1; Crow, 35; Chickadee, 85; White-breasted Nuthatch, 2; Brown Creeper, 2; Robin, 5; Starling, 12; English Sparrow, 75; Western Meadowlark, 4; Pine Siskin, 1 (Asmusen); Goldfinch, 4; Slate-colored Junco, 40; Tree Sparrow, 10; Song Sparrow, 8. Total, 22 species; 305 individuals.—MR. and MRS. W. J. ARMOUR, MR. and MRS. HERROLD ASMUSSEN, DARYLE CRABB, MRS. MARIE DALES, MRS. T. MAX FOSTER, JEAN LAFFOON, MONTE LLOYD, JOHN MAYNARD, JIMMIE MCCALL, DR. and MRS. J. L. SCHOTT, DR. T. C. STEPHENS (all of Sioux City Bird Club); WILFRED D. CRABB.

Waterloo, Iowa (wooded areas near Cedar River from a point north of Cedar Falls to Waterloo, Lafayette Park in Waterloo, Black Hawk Creek area outside city limits).—Dec. 28; 9.30 A.M. to 12.30 P.M., 1.30 to 4.15 P.M. Cloudy; no wind; ground partly covered with frozen snow; temp. 33° at start, 36° at noon, 39° at return. Seven observers working in 2 parties in A.M., all together in P.M. Total party hours afield, 9 (6½ afoot, 2½ by car); total party miles, 69 (17 afoot, 52 by car). Green-winged Teal, 1; American Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Ring-necked Pheasant, 5; Saw-whet Owl, 1; Belted Kingfisher, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 7; Crow, 8; Black-capped Chickadee, 37; White-breasted Nuthatch, 18; Brown Creeper, 4; Bluebird, 2; Starling, 1; English Sparrow, 25; Cardinal, 8; Purple Finch,

32; Goldfinch, 6; Slate-colored Junco, 43. **Total**, 23 species; 211 individuals.—KATHARINE YOUNG, MART YOUNG, MYRA LOBAN, LUCILE LOBAN, MRS. J. L. UMAN, RUSSELL HAYES, MRS. RAY S. DIX.

Alton Dam, Mo. (Alton Dam to Weber Lake to Perque marsh area, all in St. Charles County; mostly water front, some woods, shrubs, farmland and flat dried marshes).—Dec. 22; 8 A.M. to 5 P.M. Clear; no clouds; no wind; temp. about 38° at start, 56° at return. Fourteen observers working in 2 parties. Total party hours afield, 17 (16 afoot, 1 by car); total party miles, 50 (20 afoot, 30 by car). Mallard, 100 (est.); Lesser Scaup, 40; American Golden-eye, 16; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 6; Ring-necked Pheasant, 3; Herring Gull, 4; Mourning Dove, 2; Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 18 (warm weather and plenty of acorns); Hairy Woodpecker, 1; Downy Woodpecker, 11; Prairie Horned Lark, 8; Blue Jay, 11; Crow, 209; Chickadee, 7; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Brown Creeper, 4; Shrike, 2; Starling, 5; English Sparrow, 65; European Tree Sparrow, 4; Meadowlark, 3; Cowbird, 12; Cardinal, 10; Goldfinch, 7; Vesper Sparrow, 1; Slate-colored Junco, 16; Tree Sparrow, 11; Chipping Sparrow, 1 [no details.—Ed.]. **Total**, 35 species; approximately 605 individuals.—WAYNE SHORT, RICHARD GROSS-RENNHIDER, SUSAN GRUMMAN, WM. HOLZMARK, JR., HELEN EINSPIERER, SYDNEY HUCKLER, MARIE LOTH, ALBERTA BOLINGER, JOHN GERARD, REED HARKNESS, DORIS BORGSTEDT, ELINOR BAUR, CATHERINE BOULTON, CATHERINE WOOD (members St. Louis Bird Club).

Fayette, Mo. (Old and New City Lakes and the territory between the two, which included oak woods, open fields, and weed patches).—Dec. 22; 7 A.M. to 4 P.M. Clear; both lakes completely frozen over; no wind; temp. 30° at start, 60° at return. About 14 miles on foot, all within 6 miles of Fayette. Observers together. Red-tailed Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 12 (2 covies and 1 stray); Rock Dove, 18; Screech Owl, 2; Short-eared Owl, 1; Flicker, 4; Red-bellied Woodpecker, 10; Hairy Woodpecker, 5; Downy Woodpecker, 9; Blue Jay, 38; Crow, 63; Chickadee, 19; Tufted Titmouse, 28; Bluebird, 4; Starling, 35; English Sparrow, 20; Meadowlark, 1; Red-wing, 19; Cardinal, 57; Purple Finch, 2; Goldfinch, 11; Junco, 107; Tree Sparrow, 135; Fox Sparrow, 1. **Total**, 27 species; 617 individuals.—LEWIS ALLEN, WILLIAM JENNER, JOHNNY WALKER.

Glendale, Mo. (Glendale, mostly open fields and wooded areas near Glendale, thence 10 miles to a section of Creve Coeur Lake, wooded hills sloping to the lake and a broad flat roadway along the water front).—Dec. 22; 8 A.M. to 4 P.M. Clear; no clouds at any time; no wind; temp. 32° at start, 58° at finish. Two observers working together on foot. Total party hours afield, 7; total party miles afield, 5 (3 at Glendale, 2 at Creve Coeur Lake). Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 10; Mourning Dove, 1; Flicker, 4;

Red-bellied Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 7; Prairie Horned Lark, 13; Blue Jay, 125; Crow, 2000 (est.); Chickadee, 5; Tufted Titmouse, 17; White-breasted Nuthatch, 2; Carolina Wren, 1; Bluebird, 2; Starling, 125; English Sparrow, 17; Rusty Blackbird, 175 (est.); Cardinal, 33; Purple Finch, 9; Goldfinch, 5; Slate-colored Junco, 27; Tree Sparrow, 29; Song Sparrow, 21. **Total**, 28 species; approximately 2646 individuals.—JAMES F. COMFORT, JAMES E. COMFORT.

Kansas City, Mo. and Kans. (Parkville, Missouri River bottoms and bluffs; Quivera Lake, 226 acres of open water surrounded by heavily wooded hills and rough land).—Dec. 22; 8 A.M. to 3.30 P.M. Clear; ground muddy; temp. 38° at start, 58° at finish. Observers in groups as follows: party I, 5 observers, 7 hours (5 afoot, 2 by car), 34 miles (4 afoot, 30 by car); party II, 2 observers, 2 hours afoot, 3 miles afoot; party III, 6 observers, 3 hours afoot, 3 miles afoot; party IV, 5 observers, 3 hours afoot, 3½ miles afoot. Total hours afoot, 13; by car, 2; total miles afoot, 13½; by car, 30. Mallard, 250 (est.); Black Duck, 9; Gadwall, 1; Baldpate, 6; Pintail, 4; Lesser Scaup, 1; American Golden-eye, 4; Buffle-head, 4; Hooded Merganser, 4; American Merganser, 10; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; American Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Coot, 7; Rock Dove, 36; Barred Owl, 2; Short-eared Owl, 1; Kingfisher, 1; Flicker, 18; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 317; Hairy Woodpecker, 9; Downy Woodpecker, 41; Prairie Horned Lark, 2; Blue Jay, 51; Crow, 126; Black-capped Chickadee, 186; Tufted Titmouse, 35; Carolina Wren, 2; Bluebird, 1; Starling, 13; English Sparrow, 38; Meadowlark, 6; Red-wing, 21; Cardinal, 214; Goldfinch, 64; Red-eyed Towhee, 13; Arctic Towhee, 14; Slate-colored Junco, 211; Tree Sparrow, 248; Harris's Sparrow, 3; White-crowned Sparrow, 25; White-throated Sparrow, 2; Fox Sparrow, 12; Swamp Sparrow, 1; Song Sparrow, 61. **Total**, 48 species; 2095 (est.) individuals.—ESTHER O'CONNOR, HENRY AERNES, DEAN COLE, ELIZABETH COLE, J. W. CUNNINGHAM, IRVING FAY, LENA FRIGHNER, F. L. HAGAMAN, ELIZABETH HAGAMAN, HAROLD HEDGES, MARGARET HEDGES, MR. and MRS. NICHOLS, A. E. SHIRLING, MARGARET SHIRLING, RUSSELL SPOTTSWOOD, MICHAEL VALENTINE, HESTER WILSON.

Lebanon, Mo. (radius of 3 miles).—Dec. 25; 9 A.M. to 4 P.M. Cloudy; wind light, south; temp. 48° at start, 50° at return. Observers together. Total hours afoot, 7; total miles afoot, 10. Red-tailed Hawk, 4; Harlan's Hawk, 1; Sparrow Hawk, 1; Bob-white, 31; Wilson's Snipe, 4; Rock Dove, 5; Mourning Dove, 25; Flicker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 31; Hairy Woodpecker, 3; Downy Woodpecker, 3; Prairie Horned Lark, 13; Blue Jay, 43; Crow, 17; Carolina Chickadee, 8; Tufted Titmouse, 16; White-breasted Nuthatch, 4; Carolina Wren, 2; Mockingbird, 1; Bluebird, 9; Cedar Waxwing, 23; Migrant Shrike, 1; English Sparrow, 150 (est.); Meadowlark, 4; Cardinal, 58; Purple Finch, 65; Goldfinch, 15; Slate-colored Junco, 68; Tree Sparrow, 102; Field Sparrow, 2; White-crowned Spar-

FORTY-FIRST CHRISTMAS BIRD CENSUS

row, 3 [no details—Ed.]; Song Sparrow, 5. **Total**, 34 species; about 729 individuals. Increased numbers of Blue Jays and Red-headed Woodpeckers probably due to large acorn crop. Absence of Starlings unaccountable.—GEORGE E. MOORE, POLLY MOORE, A. P. DRAPER.

Ranken, Mo. (a tract of land 8 miles long, about 8 miles wide, heavily wooded, steep hills, valleys, open fields, dry and flowing spring-fed creeks, the Meramec River along the north border; the woods are being thinned out and a few lumber camps are in the area).—Dec. 22; 8.30 A.M. to 3 P.M. Clear; no clouds all day; no wind; 38° at start, 60° at return. Thirty observers working in 8 parties radiating from Nature-Study Lodge over regularly patrolled routes, all afoot: party I, 8 observers, 6 hours, 8 miles; party II, 5 observers, 3 hours, 3 miles; party III, 6 observers, 4 hours, 5 miles; party IV, 3 observers, 2½ hours, 2 miles; party V, 5 observers, 2 hours, 3 miles; party VI, 2 observers, 2½ hours, 3 miles; party VII, 1 observer, 5 hours, 6 miles; party VIII, 1 observer, 1 hour, 1 mile. **Total** party hours afield, 26; total party miles afield, 31. Double-crested Cormorant, 1 (very late date—Weber); Canada Goose, 12; Mallard, 33; Pintail, 5; Canvas-back, 1; Lesser Scaup, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Sparrow Hawk, 2; Killdeer, 1; Mourning Dove, 47; Rock Dove, 11; Screech Owl, 1; Kingfisher, 1; Flicker, 4; Pileated Woodpecker, 6; Red-bellied Woodpecker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 29; Prairie Horned Lark, 4; Blue Jay, 21; Crow, 34; Chickadee, 39; Tufted Titmouse, 47; White-breasted Nuthatch, 30; Brown Creeper, 1; Carolina Wren, 6; Mockingbird, 1; Bluebird, 14; Golden-crowned Kinglet, 1; Starling, 1; English Sparrow, 36; Cardinal, 86; Purple Finch, 2; Goldfinch, 20; Slate-colored Junco, 145; Tree Sparrow, 62; Field Sparrow, 23; Song Sparrow, 8. **Total**, 39 species; 757 individuals.—LUDLOW HILL, HARRY B. COMFORT, ALBERT BERKOWITZ, OLIVER SMITH, MARSHALL MAGNER, SUB MAGNER, MAUDE LODGEWYKE, RICHARD FISHER, ARTHUR CHRIST, FERN BRADEN, HUGO PREIS, MAE BRINKMEYER, DOROTHY KNECHT, MR. and MRS. HAROLD O'BYRNE, SOPHIE MUELLER, JIMMY HOLSON, ROBERT DE VILBIS, A. D. DE VILBIS, ROBERT HILL, HELEN COMFORT, MR. NEILL, MARGARET HILL, RUTH MEYER, ROSE and JEAN HENKE, CATHERINE TILLMAN, MR. and MRS. ARNOLD ZEMPEL, LOUIS WEBER, S. P. JONES (Webster Groves Nature Study Society).

Swan Lake National Wildlife Refuge, Sumner, Mo. (refuge headquarters east to Silver Lake bottoms, south to Yellow Creek woods, then southwest along creek, returning along west boundary; old fields, timbered bottomland, marsh, lake, prairie).—Dec. 24; 7.30 A.M. to 5.30 P.M. Clear; wind moderate, south; temp. 34° at start, 59° at finish. Single observer. Total hours afield, 10 (afoot); total miles afoot, 9. Mallard, 500 (est.); Pintail, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Rough-legged Hawk, 5; Marsh Hawk, 17; Greater Prairie Chicken, 82; Rock Dove, 3; Barred Owl, 4; Short-eared Owl, 1; Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 69; Hairy Woodpecker, 5; Downy Woodpecker, 7; Horned Lark,

38; Blue Jay, 23; Crow, 111; Black-capped Chickadee, 35; Tufted Titmouse, 4; Starling, 5; English Sparrow, 32; White-breasted Nuthatch, 5; Red-wing, 75; Rusty Blackbird, 250; Cardinal, 5; Goldfinch, 31; Slate-colored Junco, 8; Tree Sparrow, 56; Song Sparrow, 1. **Total**, 31 species; approximately 1392 individuals.—KENNETH KRUMM.

Hope, Ark. (north and northwest with about a 2-mile radius; east and northeast with about a 3-mile radius—small woods, fields, wet-weather streams, pine woods).—Dec. 28; 9 A.M. to 12 M. and 2.15 to 5.25 P.M. Partly cloudy to clear; slight wind, north; ground wet from recent rains; temp. 52° at start, 60° at return. Single observer. Total miles afoot, 9; total hours afoot, 6. Turkey Vulture, 3; Black Vulture, 2; Sharp-shinned (?) Hawk, 1; Cooper's Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 1; Wilson's Snipe, 4; Mourning Dove, 1; Flicker, 15; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 14; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Blue Jay, 17; Carolina Chickadee, 15; Bewick's (?) Wren, 3; Mockingbird, 13; Brown Thrasher, 2; Robin, 44; Bluebird, 1; Loggerhead Shrike, 10; Starling, 9; English Sparrow, 20; Meadowlark, 57; Brewer's (?) Blackbird, 30; Bronzed (?) Grackle, 550; Cowbird, 16; Cardinal, 10; Goldfinch, 2; Savannah Sparrow, 15; Red-eyed Towhee, 7; Vesper Sparrow, 12; Slate-colored Junco, 120; Harris's Sparrow, 2; White-crowned Sparrow, 7; White-throated Sparrow, 11; Tree Sparrow, 3; Field Sparrow, 14; Song Sparrow, 1. **Total**, 39 species; 1044 individuals.—PERSHING FLOYD.

Delta National Wildlife Refuge, Pilot-town, La. (east bank of Mississippi River at Cubit's Gap, Main Pass, and tributaries to the Gulf of Mexico; deltaic marshes, ponds, and water courses).—Dec. 23; 8 A.M. to 5 P.M. Slow rain. Three observers working in 2 parties by boat. Total party hours afield, 14; total party miles, 40. Loon, 3; Pied-billed Grebe, 2; White Pelican, 52; Brown Pelican, 13; Water-Turkey, 1; Great Blue Heron, 9; American Egret, 10; Snowy Egret, 7; Louisiana Heron, 21; Little Blue Heron, 6; Black-crowned Night Heron, 7; Yellow-crowned Night Heron, 9; American Bittern, 4; Least Bittern, 2; Glossy Ibis, 35; Canada Goose, 1578; Snow Goose, 175; Blue Goose, 73,000 (est.); Mallard, 282; Black Duck, 21; Gadwall, 240; Widgeon, 220; Baldpate, 176; Pintail, 328; Shoveller, 5; Canvas-back, 700 (est.); American Golden-eye, 8; Turkey Vulture, 7; Black Vulture, 9; Marsh Hawk, 4; Osprey, 2; Duck Hawk, 2; Pigeon Hawk, 5; King Rail, 2; Clapper Rail, 1; Coot, 16; Killdeer, 20; Western Willet, 2; Herring Gull, 48; Ring-billed Gull, 100; Laughing Gull, 74; Common Tern, 6; Least Tern, 3; Barn Owl, 1; Belted Kingfisher, 12; Tree Swallow, 5000 (est.); Marsh Wren, 19; Red-wing, 55; Boat-tailed Grackle, 1500 (est.). **Total**, 50 species; approximately 83,802 individuals.—ARVEY S. CROKER, THEODORE JOHNSON, JOHN D. KILBY (Fish and Wildlife Service).

Lacassine National Wildlife Refuge, Lake Arthur, La. (refuge, fresh-water Gulf marsh, cypress swamp, live oak woods, prairie pasture, Mermentau River and intra-coastal canal).—Dec. 23; 8 A.M. to 3.30 P.M. Clear; light northeast

AUDUBON MAGAZINE

wind; temp. 60° at start, 69° at finish. Two observers working in 1 party. Total party hours afield, 13 (11 by boat, 2 afoot); total party miles, 36 (33 by boat, 3 afoot). Pied-billed Grebe, 60; Herring Gull, 60; Royal Tern, 40; Water-Turkey, 40; Double-crested Cormorant, 160; Mallard, 6670; Red-legged Black Duck, 80; Gadwall, 50; Green-winged Teal, 16,300 (est.); Shoveller, 10; Pintail, 32,030 (est.); Wood Duck, 40; Lesser Scaup, 165; Ring-necked Duck, 46,100 (est.); Golden-eye, 1; Buffle-head, 5; Blue Goose, 40; White-fronted Goose, 240; Canada Goose, 400; Fulvous Tree-duck, 360; Bittern, 10; Great Blue Heron, 80; Egret, 20; Louisiana Heron, 35; Black Rail, 2 (mature—Atwood); Coot, 2300 (est.); Wilson's Snipe, 60; Least Sandpiper, 30 (Atwood); Killdeer, 6; Bob-white, 6; Mourning Dove, 8; Turkey Vulture, 100; Black Vulture, 30; Marsh Hawk, 70; Sharp-shinned Hawk, 10; Red-tailed Hawk, 10; Bald Eagle, 2; Sparrow Hawk, 30; Osprey, 2; Great Horned Owl, 1; Belted Kingfisher, 30; Downy Woodpecker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Flicker, 3; Blue Jay, 3; Fish Crow, 20; Starling, 550; Cowbird, 320; Red-wing, 1400; Meadowlark, 100; Boat-tailed Grackle, 150; English Sparrow, 6; Cardinal, 3; Shrike, 20; Myrtle Warbler, 2; Yellow-throat, 2; Mockingbird, 2; Brown Thrasher, 3; Carolina Wren, 3; Ruby-crowned Kinglet, 2; Blue-gray Gnatcatcher, 1. **Total**, 62 species; approximately 108,288 individuals.—**EARL L. ATWOOD, E. J. DUROH** (Fish and Wildlife Service).

Bottineau, N. D. (Oak Creek through Bottineau from ½ mile south of town to the golf course, then south across fields to Highway No. 5).—Dec. 22; 9 A.M. to 4 P.M. Foggy to clear; everything white frosted; southeast wind, 5 to 10 m.p.h.; 6-in. snow; temp. 27° at start, 31° at return. Observers in groups as follows: party I, 3 observers, 5 hours, 6 miles; party II, 1 observer, 1½ hours, 2 miles. Total miles afoot, 8; total hours afoot, 6½. Prairie Chicken, 1; Sharp-tailed Grouse, 100 (est.); Hungarian Partridge, 13; Ring-necked Pheasant, 4; Great Horned Owl, 1; Downy Woodpecker, 3; Black-capped Chickadee, 8; Bohemian Waxwing, 165; Starling, 22; English Sparrow, 99; Redpoll, 32; Chipping Sparrow, 1 [no details—Ed.]. **Total**, 12 species; approximately 449 individuals.—**JOHN M. STREET, JAMES E. STREET, THOMAS M. STREET.**

Des Lacs National Wildlife Refuge, Kenmare, N. D. (Des Lacs valley from Highway No. 5 bridge to dam No. 7a and adjacent prairie).—Dec. 22; 8 A.M. to 5 P.M. Sunny; light southeast wind; ground partly snow covered; all lakes frozen since mid-November; temp. 26° to 38°. Total party hours, 14 (1 observer by car and afoot, 8 hours; 1 on horseback, 3 hours; 2 by car, 3 hours); total party miles, 80 (9 horseback, 3 afoot, 68 by car). American Rough-legged Hawk, 1; Prairie Falcon, 2; Sharp-tailed Grouse, 21; Hungarian Partridge, 15; Pheasant, 175; Horned Owl, 2; Hairy Woodpecker, 3; Downy Woodpecker, 2; Magpie, 16; Long-tailed Chickadee, 5; Robin, 1 (Low); Bohemian Waxwing, 19; Starling, 8 (Low); English Sparrow, 125; Common Redpoll, 800 (est.); Tree Sparrow, 18; Snow Bunting, 1.

Total, 17 species; approximately 1214 individuals.—**DR. AND MRS. R. T. GAMMELL, MR. AND MRS. SETH H. LOW.**

Hazelton, N. D. (Afoot through farmstead tree planting, thence through stubble fields, fence rows, prairie pasture to old gravel pit back to farmstead; by car along country roads and field borders to village of Hazelton; afoot through residential section of village; by car along country roads through wooded coulee and along creek within 15-mile diameter circle with Hazelton as center).—Dec. 24; 9:30 A.M. to 12:30 P.M., 1 to 5 P.M. Overcast; no wind; temp. 26° at start, 34° at finish. Observer alone. Total hours afield, 7 (3½ afoot, 3 by car); total miles, 38½ (4½ afoot, 34 by car). European Partridge, 14; Ring-necked Pheasant, 6; Horned Lark, 101; Magpie, 2; Starling, 32; English Sparrow, 99; Lapland Longspur, 20. **Total**, 7 species; 274 individuals.—**VIRGIL L. WEISER.**

Leeds, N. D. (wildlife cover areas of a 640-acre farm; through old farmstead windbreak, new 1938 field windbreak, across clover field to west aspen grove, thence to the north prairie aspen grove and willow clumps, old tree claim, Cascaden grove and return).—Dec. 27; 10 A.M. to 12 M., 12:30 to 4:30 P.M. Dense fog with visibility reduced from ½ mile at start to 300 yards at 4:30 P.M.; ceiling 100 feet; plowed fields bare of snow, small drifts along fence rows, 6-8 inches in stubble fields and open prairie; wind southeast, 2 to 4 m.p.h., to calm at 4 P.M.; temp. 20° at start, 35° at return. Observers together. Total miles afoot, 4; total hours afoot, 5; total miles (1 hour) by car, 12. Cooper's Hawk, 1; Sharp-tailed Grouse, 4; European Partridge, 11; Ring-necked Pheasant, 7; Short-eared Owl, 1; English Sparrow, 75; Snow Bunting, 5. **Total**, 7 species; 104 individuals.—**KENNETH C. FOX, ADRIAN C. FOX.**

Linton, N. D. (fields, woods and prairie in an area of irregular width extending 6 miles west and 8 miles east of Linton).—Dec. 28; 9 A.M. to 12 M., 1:15 to 4:15 P.M. Overcast to cloudy; ground bare at start, lightly covered by snow at return; wind northwest, about 25 m.p.h.; temp. 30° at start, 21° at return. Observers together. Total miles afoot, 8; total hours afoot, 6; total miles (2 hours) by car, 40. Ring-necked Pheasant, 9; Horned Lark, 153; Blue Jay, 2; Crow, 10; Long-tailed Chickadee, 12; White-breasted Nuthatch, 2; Brown Creeper, 1; English Sparrow, 100 (est.); Redpoll, 6; Tree Sparrow, 70; Lapland Longspur, 73. **Total**, 11 species; 438 individuals.—**JOHN ALLENSWORTH, JR., HENRY C. KYLLINGSTAD.**

Lower Souris National Wildlife Refuge, Upham (McHenry Co.), N. D. (refuge headquarters east through marsh to wooded river-bottom and sandhills near Hillman and Johnson bridges, and return along west side of marsh).—Dec. 26; 8 A.M. to 5 P.M. Mild and slightly foggy; no wind; temp. 7° to 26°. One party of 2 observers. Total party hours afield, 16 (12 by auto, 4 afoot); total single party miles, 46 (40 by auto, 6 afoot). Mallard, 130; American Rough-legged Hawk, 2; Golden Eagle, 4; Bald Eagle (adult), 1; Prairie Falcon, 1; Prairie Chicken, 46; Sharp-tailed Grouse, 57; European Partridge, 20; Ring-necked Pheasant, 151; Downy Woodpecker, 2;

FORTY-FIRST CHRISTMAS BIRD CENSUS



Photo by Ruth and H. D. Wheeler

IT IS BETTER SCIENCE TO STICK TO THE SPECIES NAME. Even an expert cannot always be sure which race of the Oregon Junco he is seeing.

Maggie, 8; Chickadee, 41; White-breasted Nuthatch, 2; Robin, 2; English Sparrow, 88; Common Redpoll, 274; Tree Sparrow, 2. **Total, 17 species; 831 individuals.**—C. J. HENRY, THOMAS W. LAWSON.

Mandan, N. D. (orchards, nurseries, plots, pastures, fields and residential section of the Northern Great Plains Field Station, the Soil Conservation Service tree and grass nursery, and a portion of the wooded banks of the Heart River).

—Dec. 22; 9 A.M. to 12 M., 1 to 4 P.M. Dense fog until 9.40 A.M. to clear; south wind, calm to 4-6 m.p.h.; temp. 26° at start, 46° at return. Observer alone. Total miles afoot, 6; total hours afoot, 6. Marsh Hawk, 1; Sharp-tailed Grouse, 60; European Partridge, 7; Ring-necked Pheasant, 10; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 1; Maggie, 3; Long-tailed Chickadee, 38; White-breasted Nuthatch, 5; English Sparrow, 20; Common Redpoll, 4; Slate-colored Junco, 3; Tree Sparrow, 10. **Total, 14 species; 164 individuals.**—ADRIAN C. FOX.

Minot, N. D. (all parks and wooded areas in city limits, farm grounds and prairies adjacent to city in all directions, covering a 15-mile diameter).

—Dec. 22; 8.15 A.M. to 5.15 P.M. Clear; no wind; temp. 28° at start, 45° at noon, 31° at finish. Three observers working as 1 party while driving, in 2 parties for 2 hours, and separately for remainder of time. Total party hours afield, 18 (16 afoot, 2 by car); total party miles, 52½ (14½ afoot, 38 by car). Sharp-tailed Grouse, 1; Hungarian Partridge, 7; Ring-necked Pheasant, 7; Hairy Woodpecker, 8; Downy Woodpecker, 5; Horned Lark, 4; Maggie, 1; Chickadee, 21; White-breasted Nuthatch, 25; Brown Creeper, 3; Starling, 18; English Sparrow, 413; Redpoll, 13; Pine Siskin, 3; Junco, 2; Lapland Longspur, 43; Snow Bunting, 15. **Total, 17 species; 589 individuals.**—HARRY H. GOEHRING, ETHEL E. LITTLE, PERNA M. STINE.

Valley City, N. D. (fields, woods and prairie in a zigzag route covering an area 4 miles wide which extends 5 miles northwest and 8 miles south of

Valley City).—Dec. 25; 8 A.M. to 12 M., 1 to 5 P.M. Ground covered with about 4-in. wet snow; calm; snow thawing during midday; temp. 24° at start, 27° at return. Observer alone. Total miles afoot, 10; total hours afoot, 6; total miles (2 hours) by car, 30. Ring-necked Pheasant, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Long-tailed Chickadee, 17; White-breasted Nuthatch, 3; Brown Creeper, 2; English Sparrow, 300 (est.); Redpoll, 6. **Total, 8 species; 337 individuals.**—HENRY C. KYLLINGSTAD.

Sand Lake National Wildlife Refuge, Columbia, S. D. (display pond and along west side of Sand Lake, then by auto to Mud Lake, across Mud Lake marsh on foot, then on foot along through fringe of trees along east shore of Sand Lake).—Dec. 24; 10 A.M. to 4 P.M. Dark; 1-in. snow; little wind, northwest; temp. 30° at start, 32° at return. Observers in groups as follows: party I, 1 observer, 3 hours, 4 miles; party II, 2 observers, 3 hours, 7 miles. Total miles afoot, 8; total hours afoot, 4. Canada Goose, 54; Lesser Snow Goose, 1; Blue Goose, 4; Mallard, 1500 (est.); Black Duck, 2; Pintail, 3; Green-winged Teal, 1; Golden-eye, 1; American Rough-legged Hawk, 8; Golden Eagle, 1; Marsh Hawk, 1; Prairie Falcon, 1; Prairie Chicken, 24; European Partridge, 13; Ring-necked Pheasant, 2000 (est.); Coot, 1; Short-eared Owl, 1; Downy Woodpecker, 1; Horned Lark, 14; Crow, 6; English Sparrow, 50; Red-wing, 61; Common Redpoll, 14; Tree Sparrow, 30. **Total, 24 species; 3792 individuals.**—WATSON E. BEED, WILLIAM ELLINGHAUSEN.

Wilmot, S. D. (east of town to Big Stone Lake; fields along shore, through woods, home by car).—Dec. 26; 10 A.M. to 4.30 P.M. Overcast and foggy with light wind; temp. 29° at start, 31° at return. Two observers in 1 party. Total hours afield, 6½. Ring-necked Pheasant, 9; Wilson's Snipe, 1 (identified by erratic flight as it flushed from marsh); Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 1; Chickadee, 5; Nut-

AUDUBON MAGAZINE

hatch, 2; Brown Creeper, 1; Starling, 27; English Sparrow, 30; Lapland Longspur, 183; Snow Bunting, 2. **Total**, 12 species; 266 individuals.—**FREDERICK HARRIS, BRUCE HARRIS.**

Yankton, S. D. (woods along the Missouri and James rivers, and open country west and north of city).—Dec. 23; 8.15 A.M. to 12 M., 12.30 to 4.45 P.M. Fair; ground mostly covered with snow; very light southeast wind; temp. 22° at start, 42° at finish. About 7 miles on foot, 45 miles by car; about 6 hours on foot. Observers together. Mallard, 1; Goshawk, 1; Red-tailed Hawk, 1; American Rough-legged Hawk, 3; Ring-necked Pheasant, 27; Great Horned Owl, 1; Flicker, 4; Hairy Woodpecker, 10; Downy Woodpecker, 4; Blue Jay, 1; Crow, 10; Chickadee, 85; White-breasted Nuthatch, 8; Brown Creeper, 4; Robin, 25; Starling, 12; English Sparrow, 45; Western Meadowlark, 50; Cardinal, 3; Goldfinch, 5; Slate-colored Junco, 10; Tree Sparrow, 55. **Total**, 22 species; 365 individuals.—**AUSTIN P. LARRABEE, RUSSELL M. EIDSMOR.**

Fremont, Neb. (cemetery, country roads, fields, wild court, dense woods off the highway).—Dec. 26; 8 A.M. to 2.30 P.M. Mostly cloudy, occasional sun; patches of snow on ground, and muddy off the pavement; temp. 35° to 40°. Observer alone. About 14 miles by car and on foot. Marsh Hawk, 2; Pigeon Hawk, 1; Mourning Dove, 6; Screech Owl, 1; Flicker, 6; Red-bellied Woodpecker, 3; Downy Woodpecker, 7; Hairy Woodpecker, 8; Blue Jay, 2; Crow, 200 (est.); Long-tailed Chickadee, 15; White-breasted Nuthatch, 5; Brown Creeper, 5; Robin, 40; Bluebird, 4; Golden-crowned Kinglet, 6; Cedar Waxwing, 60; Migrant Shrike, 2; Western Meadowlark, 8; Grackle, 150; Cardinal, 12; Pine Siskin, 8; Goldfinch, 30; Slate-colored Junco, 50; Tree Sparrow, 200 (est.); Harris's Sparrow, 6. **Total**, 26 species; approximately 837 individuals.—**MRS. LILY RUEGG-BUTTON.**

Colony, Kans. (through woods and thickets along Deer Creek from 5 miles east of Colony to 2 miles southeast, then across the prairie meadows to town).—Dec. 23; 8.30 A.M. to 3 P.M. Clear; wind moderate, southwest; temp. 38° at start, 58° at return. Total miles afoot, 7; total hours afoot, 6½. Pintail, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 3; Mourning Dove, 34; Great Horned Owl, 4; Belted Kingfisher, 1; Flicker, 3; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 12; Horned Lark, 27; Blue Jay, 16; Crow, 41; Chickadee, 21; Tufted Titmouse, 7; Brown Creeper, 1; English Sparrow, 50 (est.); Meadowlark, 2; Cardinal, 8; Goldfinch, 7; Junco, 100 (est.); Tree Sparrow, 100 (est.); Harris's Sparrow, 52; Song Sparrow, 2. **Total**, 27 species; approximately 515 individuals.—**WILLIAM H. WELLS.**

Norwich, Kans. (through thickets, weed patches, and woods north of Norwich along Ninnescah River; southwest of Norwich across open fields, weed patches, and woods).—Dec. 23; 9 A.M. to 5 P.M. Partly cloudy; a little windy, south; temp. 39° at start, 51° at return. Observer alone. Total miles afoot, 8½; total hours afoot, 8. Red-

tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Flicker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Crow, 1129 (est.); Chickadee, 3; Robin, 1; English Sparrow, 37; Meadowlark, 19; Cardinal, 9; Towhee, 1; Junco, 14; Tree Sparrow, 92; Harris's Sparrow, 91. **Total**, 16 species; approximately 1405 individuals.—**AUSTIN WRIGHT.**

Wichita, Kans. (Riverside, Oak and Sims Parks; Big Slough and Santa Fee Lakes; and fields).—Dec. 22; 8 A.M. to 4.45 P.M. Clear; snow and ice in shady places; heavy frost; no wind; temp. 35° at start, 40° at finish. Three observers working together. Total hours afield, 8¼ (5 afoot, 3¼ by car); total miles, 59 (7 afoot, 42 by car). Canada Goose, 14; Mallard, 65; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered (?) Hawk, 1; American Rough-legged (?) Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 2; Bob-white, 3; Belted Kingfisher, 1; Northern Flicker, 5; Red-shafted Flicker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 10; Horned Lark, 5; Crow, 318; Chickadee, 27; Tufted Titmouse, 3; Brown Creeper, 1; Robin, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 10; Migrant Shrike, 1; Starling, 6; English Sparrow, 275; Meadowlark, 1; Cardinal, 3; Slate-colored Junco, 65; Shufeldt's Junco, 1; Tree Sparrow, 120; Harris's Sparrow, 17; Smith's Longspur, 7. **Total**, 33 species; 985 individuals.—**MR. and MRS. GALLEY, WILFRED GOODMAN.**

Norman, Okla. (to the South Canadian River).—Dec. 24; 7.15 A.M. to 1.15 P.M. Fair, ground bare; strong south wind; temp. 36° at start, 60° at return. Observers together part of the time. Total miles by car, 20; by foot, 6. Red-tailed Hawk, 2; American Rough-legged Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white (heard, 1 covey); Mourning Dove, 15; Flicker, 17; Red-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 48; Blue Jay, 2; Crow, 3000 (est.); Carolina Chickadee, 25; Tufted Titmouse, 18; Brown Creeper, 1; Carolina Wren, 2; Robin, 110; Bluebird, 19; Cedar Waxwing, 15; Loggerhead Shrike, 6; English Sparrow, 74; Western Meadowlark, 105; Red-wing, 23; Cardinal, 55; Goldfinch, 60; Arctic Towhee, 15; Slate-colored Junco, 200 (est.); Tree Sparrow, 80; Field Sparrow, 2; Harris's Sparrow, 310; White-crowned Sparrow, 1; Fox Sparrow, 25; Lincoln's Sparrow, 10; Song Sparrow, 12. **Total**, 37 species; about 4280 individuals.—**MARGARET M. and L. B. NICE.**

Tulsa, Okla. (Mohawk Park including Lakes Sequoyah, Mohawk, North and Duck Pond, along Bird Creek and in the park vicinity; 40th and Victor).—Dec. 22; 7.30 A.M. to 5 P.M. Beautiful sunshiny day, light fog and frost in early A.M.; scarcely any wind; temp. 28° at start, 60° at return. Territory covered in 12-mile diameter, the same as summer nesting census since 1937 and winter census since 1934. Twenty-seven observers in 5 parties. Total party hours afield, 36; total party miles, 122 (22 afoot, 100 by car). Great Blue Heron, 3; Mallard, 4041; Gadwall, 25; Baldpate, 8 (Tenny, Letson); Pintail, 4; Green-winged Teal, 9; Shoveller, 2 (9 s.—Davis,

FORTY-FIRST CHRISTMAS BIRD CENSUS

Schwabe); Ring-necked Duck, 300 (est.); Lesser Scaup, 2 (Davis); Greater Scaup, 1 (Phillips); American Golden-eye, 24; Old-squaw, 1 (♀—Davis, Letson, Borden, Phillips); Hooded Merganser, 2 (Davis, Schwabe); American Merganser, 3000 (est.); Cooper's Hawk, 1; Red-tailed Hawk, 14; Harlan's Hawk, 4 (Phillips, Letson); American Rough-legged Hawk, 4 (Phillips, Letson, Davis, Schwabe); Red-shouldered Hawk, 5; Marsh Hawk, 10; Sparrow Hawk, 5; Bob-white, 20; Pheasant, 1; Coot, 1; Killdeer, 7; Wilson's Snipe, 33; Herring Gull, 110; Owl (sp.?) 1; Barred Owl, 2; Kingfisher, 4; Flicker, 25; Pileated Woodpecker, 1 (Dons, Letson); Red-bellied Woodpecker, 8; Red-headed Woodpecker, 245; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 15; Prairie Horned Lark, 2 (Davis, Schwabe); Blue Jay, 142; Crow, 60; Chickadee, 80; Tufted Titmouse, 73; Brown Creeper, 4 (Bordens); Carolina Wren, 8; Mockingbird, 3; Brown Thrasher, 9; Robin, 13; Bluebird, 10; Cedar Waxwing, 1 (Davis, Schwabe); Shrike, 8; Starling, 50; English Sparrow, 115; Meadowlark, 200 (est.); Red-wing, 75; Rusty Blackbird, 150; Cowbird, 1; Cardinal, 31; Goldfinch, 110; Red-eyed Towhee, 3; Arctic Towhee, 2; Henslow's Sparrow, 4 (Letson, Force); Slate-colored Junco, 30; Tree Sparrow, 20; Chipping Sparrow, 1 (Letson, Force); Field Sparrow, 9; Harris's Sparrow, 11; White-throated Sparrow, 54; Fox Sparrow, 3; Song Sparrow, 41; Lincoln's Sparrow, 17; Swamp Sparrow, 10 (Letson, Phillips). **Total**, 71 species; about 9575 individuals.—BOBBY LANG, DON BETTS, DALE WOODWARD, DICK LOVELESS, ROBERT KIRKPATRICK, COURTLAND HAYMAKER, BOB HERNON, JOHN HARRIS (Boy Scouts with Scoutmasters); BOB HARRIS, G. E. TENNEY, CHARLES HANNIS, LINDY MOORE, J. W. MOONEY (members Field and Stream Club, W. Wilson Jr. High School); JOE PITT, CHERRIE DONS (life members F. and S. Club, students Central and W. Rogers Senior High School); MR. and MRS. H. T. PHILLIPS, MR. and MRS. JOSEPH L. BORDEN and DAVID, MR. and MRS. HUGH S. DAVIS, BARBARA TENNEY, O. W. LETSON (Tulsa Audubon Society); ROBERT REDMOND, JOHN SCHWABE, BILL SCHWABE, EDITH R. FORCE (recorder).

Wichita Mountains Wildlife Refuge, Cache, Okla. (oak savannah; shores of Lakes Quannah Parker, French, Post Oak, and Treasure; roadsides leading to these lakes and to forest headquarters from the Medicine Park entrance).—Dec. 23; 9.15 A.M. to 4.30 P.M. Clear; medium southeast wind; 56° at start, 62° at end. Party I, all 6 observers, 1½ hours, 26½ miles by car; party II, 2 observers, 2 hours, 4 miles afoot; party III, 2 observers, 2 hours, 2 miles afoot; party IV, 2 observers, 1½ hours, 6 miles by car; party V, 5 observers, 3¼ hours, 23 miles by car with frequent stops. **Total** miles afoot, 6; by car, 55½. **Total** hours afoot, 4; by car, 6¼. Great Blue Heron, 1; Mallard, 67; Baldpate, 16; Pintail, 16; Hooded Merganser, 2; American Merganser, 30; unidentified Ducks, 1400; Turkey Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Buteo (sp.?), 2; Golden Eagle, 1; Marsh Hawk, 4; Bob-white, 12; Rio Grande Turkey, 27; Coot, 5; King-

fisher, 1; Flicker, 6; Red-shafted Flicker, 4; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 17; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 100 (est.); Blue Jay, 2; Crow, 150; Chickadee, 33; Tufted Titmouse, 17; White-breasted Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 3; Robin, 4; Bluebird, 34; Cedar Waxwing, 15; White-rumped Shrike, 2; Meadowlark, 4; Cardinal, 8; Vesper Sparrow, 1; Junco, 200; Harris's Sparrow, 6; Song Sparrow, 1. **Total** 39 species; about 2207 individuals.—MRS. LENA, CURTIS, GLADYS MITCHELL, ELIZABETH MORGAN, MR. and MRS. O'REILLY SANDOZ, MARTHA W. SHACKLEFORD.

Alvord, Texas (4 miles afoot in post oak savannah pastures and fields near Audubon townsite, 6 miles northeast of Alvord; 1 mile along creek 10 miles northeast of Alvord; and 1 mile along live oak bluff in prairie 6 miles southeast of Alvord).—Dec. 22; 10.30 A.M. to 5.30 P.M. Clear; no wind; temp. 48° at start, 63° at return. Observers together. **Total** hours afield, 7 (6 afoot, 1 by car); **total** miles, 34 (6 afoot, 28 by car). Mallard, 138; Green-winged Teal, 12; Turkey Vulture, 6; Sparrow Hawk, 1; Mourning Dove, 6; Flicker, 16; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 11; Crow, 79; Carolina (?) Chickadee, 33; Tufted Titmouse, 20; Mockingbird, 2; Robin, 19; Bluebird, 14; Cedar Waxwing, 27; Migrant Shrike, 5; Eastern Meadowlark, 35; Cardinal, 17; Goldfinch, 8; Red-eyed Towhee, 1; Savannah Sparrow, 2; Vesper Sparrow, 8; Slate-colored Junco, 154; Field Sparrow, 29; Harris's Sparrow, 53; White-crowned Sparrow, 2; unidentified Sparrows, 42. **Total**, 28 species; 746 individuals.—BEN OSBORN, W. H. KELLOGG.

Cove (Chambers Co.), Texas (½ mile along Galveston Bay, thence north 4 miles across flooded marsh, in motorboat, to the Cove woods, old fields, and thickets, then 1 mile north to Old River pine woods).—Dec. 24; all day. Very little wind and clouds; temp. 48° at start, 57° at return. **Total** miles by car, 9.8; by boat, 5; on foot, 10¼. White Pelican, 32; Brown Pelican, 1; Double-crested Cormorant, 15; Ward's Heron, 34; American Egret, 38; Snowy Egret, 1; Reddish Egret, 1; Black-crowned Night Heron, 4; Snow and Blue Geese, 80 (25% Blue); Canada Goose, 2 flocks heard; White-fronted Goose, 80 (est.); Mallard, 1000 (est.); Black Duck, 6; Mottled Duck, 8; Baldpate, 150; Pintail, 5000 (est.); Green-winged Teal, 300; Ring-necked Duck, 4+; Canvas-back, 4; Scaup, 120; Golden-eye, 4; Red-breasted Merganser, 1; Turkey Vulture, 22; Black Vulture, 20; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 35; Krider's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 43; Sparrow Hawk, 18; Bob-white, 1 (freshly killed); King Rail, 1 (5 heard); Coot, 22; Killdeer, 7; Black-bellied Plover, 4; Wilson's Snipe, 1; Red-backed Sandpiper, 250; Semipalmated Sandpiper, 65; Herring Gull, 3; Ring-billed Gull, 23; Caspian Tern, 1 (heard); Mourning Dove, 180; Barn Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Short-eared Owl, 1; Flicker, 9; Pileated Woodpecker, 1 (2 heard); Red-bellied Woodpecker, 4; Red-headed

AUDUBON MAGAZINE

Woodpecker, 1 (heard); Sapsucker, 1; Downy Woodpecker, 2; Phoebe, 4; Blue Jay, 1; Crow, 5; Chickadee, 14; Tufted Titmouse, 2; House Wren, 3; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 1 (heard); Short-billed Marsh Wren, 1; Brown Creeper, 1; Mockingbird, 17; Brown Thrasher, 17; Robin, 4; Hermit Thrush, 1; Bluebird, 3; Gnatcatcher, 19; Ruby-crowned Kinglet, 14; Pipit, 8; Shrike, 14; Starling, 150; Blue-headed Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 2; Pine Warbler, 6; Yellow-throat, 1; Meadowlark, 60; Red-wing, 3000 (est.); Bullock's Oriole, 1 (first record here; larger than Orchard Oriole, tail and throat rich yellowish, under tail-coverts and upper breast pale yellowish; observed at close range with 8X binoculars); Rusty Blackbird, 4; Boat-tailed and Great-tailed Grackle, 7 (one ♂ of each seen together); Cowbird, 5000 (est.); Cardinal, 59; Goldfinch, 24 (est.); Savannah Sparrow, 2; Slate-colored Junco, 2; Field Sparrow, 40; White-throated Sparrow, 53; Lincoln's Sparrow, 2; Swamp Sparrow, 2. **Total**, 95 species; approximately 16,157 individuals.—**ARLIE K. MCKAY.**

El Paso, Texas (north along the Rio Grande for 7½ miles; southeast along the river for the same distance; northeast of the city for 5 miles into the desert sandhills around Fort Bliss and westward thence into MacKelligan Canyon of the Franklin Mountains).—Dec. 22; 7 A.M. to 1 P.M. Sunny; wind velocity, 2 miles; temp. 32° at 7 A.M., 50° at noon. Observers in 2 groups as follows: party I, 1 observer, 6 hours; party II, 3 observers together, 3 hours; then joined by a fourth, and 4 observers together for 3 hours more. Total hours, 27; total miles afoot, 10; total miles by auto, 44. Treganza's Heron, 25; Mallard, 60; Gadwall, 12; Baldpate, 50; Pintail, 9; Green-winged Teal, 20; American Merganser, 22; Turkey Vulture, 1; Red-tailed Hawk, 8; Marsh Hawk, 10; Sparrow Hawk, 5; Scaled Quail, 20; Killdeer, 15; Coot, 4; Sora, 1; Wilson's Snipe, 1; Western Sandpiper, 1; Mourning Dove, 8; Ring-billed Gull, 3; Belted Kingfisher, 1; Red-shafted Flicker, 4; Black Phoebe, 2; Say's Phoebe, 5; White-necked Raven, 33; Verdin, 2; Cactus Wren, 2; Cañon Wren, 1; Rock Wren, 2; Crissal Thrasher, 1; Marsh Wren, 1; Plumbeous Gnatcatcher, 1; Ruby-crowned Kinglet, 3; Pipit, 10; White-rumped Shrike, 4; Audubon's Warbler, 4; Meadowlark, 20; Yellow-headed Blackbird, 200 (est.); Red-wing, 225; Brewer's Blackbird, 60; English Sparrow, 200 (est.); House Finch, 30; Pyrrhuloxia, 2; Arkansas Goldfinch, 8; Cañon Towhee, 1; Baird's Sparrow, 2; Desert Sparrow, 27; Sage Sparrow, 6; Shufeldt's Junco, 8; Montana Junco, 8; Pink-sided Junco, 10; Gray-headed Junco, 10; Chipping Sparrow, 2; Gambel's Sparrow, 114; Song Sparrow, 36. **Total**, 54 species; approximately 1320 individuals.—**MARY BELLE KEEFER, ANGEL SANCHES, GERTRUDE FINK, MRS. RUBY ALLEN, MRS. LENA MCBEE.**

Fort Worth, Texas (Trinity Park, Fort Worth Botanic Garden, Rockwood Park, Z. Boaz Golf Course, Ridglea Addition and Lake Worth; deciduous bottom woodlands, mixed prairies, fence rows, old fields, old roadway, meadows and

thickets).—Dec. 29; 9.30 A.M. to 5.30 P.M. Clear, sunny; calm, with very few clouds; temp. 51° at start, 62° at return. Four observers working in groups as follows: party I, 2 observers, 3 hours, 4 miles afoot, 15 miles by car; party II, 1 observer, 2 hours, 3 miles afoot, 3 miles by car; party III, 2 observers, 4 hours, 6 miles afoot, 25 miles by car; party IV, 1 observer, 2 hours, 2 miles afoot, 10 miles by car. Total miles afoot, 15; by car, 53; total hours afoot, 11. Canvas-back, 62; Turkey Vulture, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 5; Coot, 11; Mourning Dove, 1; Barred Owl, 1; Belted Kingfisher, 1; Flicker, 16; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 12; Horned Lark, 25; Blue Jay, 13; Crow, 10; Plumbeous Chickadee, 35; Tufted Titmouse, 18; Carolina Wren, 4; Mockingbird, 20; Brown Thrasher, 4; Hermit Thrush, 1; Bluebird, 7; Cedar Waxwing, 9; Loggerhead Shrike, 1; Starling, 430; Black and White Warbler, 1; Myrtle Warbler, 1; Mourning Warbler, 2 [no details—Ed.]; English Sparrow, 63; Meadowlark, 36; Western Meadowlark, 17; Red-wing 1000 (est.); Cardinal, 46; Pine Siskin, 2; Goldfinch, 22; Towhee, 20; Junco, 53; Field Sparrow, 7; Harris's Sparrow, 50; White-crowned Sparrow, 10; White-throated Sparrow, 6; Lincoln's Sparrow, 11; Song Sparrow, 3. **Total**, 45 species; approximately 2054 individuals.—**MRS. ROBERT H. BOWMAN, MR. and MRS. WADE A. SMITH, WM. L. MCCART.**

Harlingen, Texas (a circle of 7½-mile radius, the diameter of which is a line extending from Harlingen to Santa Maria).—Dec. 23; 6.30 A.M. to 5.30 P.M. Clear; ground very muddy (great areas standing in water) following 4 days of the heaviest winter rains ever known in the area; most roads flooded and impassable; very light north wind; temp. 44° min., 69° max. Observers in 8 groups. Combined mileage of all groups, 171 (105 by car, 65 on foot, 1 by boat); combined hours, 88: (24 by car, 63 on foot, 1 by boat). Least Grebe, 2; Pied-billed Grebe, 5; White Pelican, 9; Mexican Cormorant, 238; Water-Turkey, 7; Ward's Heron, 30; American Egret, 22; Snowy Egret, 45; Louisiana Heron, 8; Little Blue Heron, 3; Green Heron, 1; Black-crowned Night Heron, 58; American Bittern, 2; Glossy Ibis, 2; Canada Goose, 195; White-fronted Goose, 53; Snow Goose, 3; Gadwall, 7; Baldpate, 1; Pintail, 48; Green-winged Teal, 24; Blue-winged Teal, 18; Cinnamon Teal, 11; Shoveller, 10; Canvas-back, 1; Scaup, 25; Ruddy Duck, 3; Turkey Vulture, 173; Black Vulture, 176; Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, 24; Red-shouldered Hawk, 25; Harris's Hawk, 12; Marsh Hawk, 38; Audubon's Caracara, 10; Duck Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 115; Bob-white, 28; Florida Gallinule, 1; Coot, 159; Killdeer, 16; Wilson's Snipe, 1; Spotted Sandpiper, 3; Dowitcher, 2; Semipalmated Sandpiper, 2; Black-necked Stilt, 3; Herring Gull, 1; Ring-billed Gull, 20; Mourning Dove, 937; Ground Dove, 29; inca Dove, 74; White-fronted Dove, 5; Road-runner, 1; Screech Owl, 1; Horned Owl, 1; Burrowing Owl, 5; Barn Owl, 1; Merrill's Pauraque, 7; Ruby-

FORTY-FIRST CHRISTMAS BIRD CENSUS

throated Hummingbird, 1; Belted Kingfisher, 11; Texas Kingfisher, 11; Northern Flicker, 1; Red-shafted Flicker, 2; Golden-fronted Woodpecker, 46; Yellow-bellied Sapsucker, 2; Texas Woodpecker, 40; Derby Flycatcher, 33; Phoebe, 23; Say's Phoebe, 2; Vermilion Flycatcher, 14; Horned Lark, 1; Green Jay, 23; Black-crested Titmouse, 53; Verdin, 13; House Wren, 25; Texas Wren, 11; Lomita Wren, 38; Cactus Wren, 4; Prairie Marsh Wren, 21; Mockingbird, 103; Catbird, 4; Sennett's Thrasher, 19; Brownsville Thrasher, 12; Sage Thrasher, 2; Robin, 1; Gnatcatcher, 10; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 12; Pipit, 23; Shrike, 40; Rio Grande Vireo, 32; Black and White Warbler, 4; Orange-crowned Warbler, 11; Nashville Warbler, 2; Yellow Warbler, 1; Myrtle Warbler, 19; Audubon's Warbler, 1; Black-throated Green Warbler, 1; Sycamore Warbler, 5; Pine Warbler, 7; Yellow-throat, 30; Wilson's Warbler, 2; English Sparrow, 442; Rio Grande Meadowlark, 230; Western Meadowlark, 40; Red-wing, 7505; Audubon's Oriole, 6; Sennett's Oriole, 1; Brewer's Blackbird, 39; Mesquite Grackle, 1281; Cowbird, 38; Red-eyed Cowbird, 51; Cardinal, 81; Pyrrhuloxia, 7; Sharpe's Seed-eater, 12; Goldfinch, 4; Texas Sparrow, 63; Lark Bunting, 16; Savannah Sparrow, 101; Grasshopper Sparrow, 5; Vesper Sparrow, 3; Lark Sparrow, 32; Cassin's Sparrow, 3; Black-throated Sparrow, 11; Field Sparrow, 111; White-crowned Sparrow, 13; White-throated Sparrow, 1; Lincoln's Sparrow, 20; Swamp Sparrow, 1; Song Sparrow, 2. **Total**, 132 species; 13,560 individuals.—L. IRBY DAVIS, MRS. E. H. SMITH, KAY WARE, DARREL RING, ELMER GEORGE (Lower Rio Grande Valley Nature Club); LUCILLE CANT, MARY LOUISE WALKER, CHARLINE McMINN (Mary Hardin-Baylor College); ANNA MAY DAVIS, BOBBY JARRETT, NATHAN BOSSOM, JOE EARL ELMORE, CRAMER GOAD, HOWARD PIERCE, HOWARD RIES, JOHN ROBERT SANDERS, WOODWARD WALKER, JIMMIE CARAWAY (Harlingen High School Bird Club).

Houston, Texas (lower portion of San Jacinto River from point 15 miles upstream near Sheldon, south to Lynchburg, Baytown, Strang, San Jacinto Battlegrounds, Highlands; heavy woods, marshes, cypress swamps, open fields, salt-water estuary, riverbottom).—Dec. 22; 7 A.M. to 5 P.M. Bright sunny day; wind northeast to north; temp. 50° at start, 63° at return. Observers in groups as follows: party I, 4 observers, 9 hours, 30 miles by car, 5 miles on foot; party II, 6 hours, 10 miles by car, 2 miles on foot; party III, 4 observers, 8 hours, 30 miles by car, 5 miles on foot; party IV, 3 observers, 5 hours, 10 miles by car, 2 miles on foot; party V, 5 observers, 5 hours, 30 miles by car, 2 miles on foot. Total miles afoot, 16; total hours afoot, 20; total miles by car, 110; total hours by car, 13. Pied-billed Grebe, 1; White Pelican, 75; Brown Pelican, 22; Mexican Cormorant, 1; Double-crested Cormorant, 9; Great Blue Heron, 6; American Egret, 17; Snowy Egret, 1; Louisiana Heron, 14; Little Blue Heron, 4; Gadwall, 2; Pintail, 7; Redhead, 3; Scaup, 200 (est.); Turkey Vulture, 23; Black Vulture, 8; Red-tailed Hawk, 21; Red-shouldered Hawk, 4; Marsh Hawk, 18; Sparrow Hawk, 69; Caracara, 1; Killdeer, 18;

Woodcock, 1; Sanderling, 2; Willet, 1; Herring Gull, 22; Ring-billed Gull, 150 (est.); Laughing Gull, 17; Franklin's Gull, 1; Common Tern, 5; Black Skimmer, 2; Bob-white, 3; Mourning Dove, 40; Short-eared Owl, 1; Barred Owl, 3; Belted Kingfisher, 9; Flicker, 78; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 2; Phoebe, 3; Blue Jay, 26; Crow, 32; Black-capped Chickadee, 100 (est.); Tufted Titmouse, 5; House Wren, 1; Carolina Wren, 8; Mockingbird, 54; Brown Thrasher, 33; Hermit Thrush, 2; Bluebird, 28; Ruby-crowned Kinglet, 4; Pipit, 2; Tree Swallow, 6; Loggerhead Shrike, 57; Migrant Shrike, 6; Starling, 3000 (est.); Myrtle Warbler, 5; Pine Warbler, 17; Yellow-throat, 2; English Sparrow, 37; Cowbird, 9; Meadowlark, 200 (est.); Redwing, 24; Rusty Blackbird, 400 (est.); Brewer's Blackbird, 1400 (est.); Bronzed Grackle, 100 (est.); Boat-tailed Grackle, 3; Cardinal, 41; Goldfinch, 52; Savannah Sparrow, 22; Grasshopper Sparrow, 7; Tree Sparrow, 1; Field Sparrow, 12; White-throated Sparrow, 53; Pine-woods Sparrow, 1; Lincoln's Sparrow, 2; Swamp Sparrow, 15; Song Sparrow, 2. **Total**, 83 species; approximately 6643 individuals. Recent heavy floods still covered parts of the marshes, swamps and riverbottoms and few birds were found in those sections.—FRED BROWN, C. E. BUEHNER, MRS. E. T. DAWSON, CAPT. E. T. DAWSON, JOE M. HEISSER, MRS. T. W. HOPWOOD, T. W. HOPWOOD, O. P. MEDSGER, FRED METTS, MRS. EDNA MINOR, WESLEY MOFFITT, DR. FRANK A. PATTIE, MRS. MAGDALENA SANDERS, MRS. R. VINES, ROBERT VINES, MRS. J. E. WILLBORN, J. E. WILLBORN, MRS. LOVIE M. WHITAKER, GEORGE G. WILLIAMS (members Houston Outdoor Nature Club).

Billings, Mont. (Billings to Laurel, north of the Yellowstone River through valley and return over benchland south of the river; same area as covered in 1939).—Dec. 23; 9 A.M. to 4.30 P.M. Partly cloudy; no wind; no snow; temp. 37° at start, 42° at return. Two observers together. Total miles afoot, 5; by car, 60; total hours afoot, 7½. Mallard, 3510; Black Duck, 8; American Golden-eye, 7; American Merganser, 53; Rough-legged Hawk, 3; Marsh Hawk, 2; Ring-necked Pheasant, 121; Hungarian Partridge, 7; Great Horned Owl, 1; Red-shafted Flicker, 9; Downy Woodpecker, 2; Horned Lark, 50; Magpie, 76; Chickadee, 30; Robin, 90; Starling, 6; English Sparrow, 89; Meadowlark, 25; Tree Sparrow, 31; Song Sparrow, 10. **Total**, 20 species; 4130 individuals.—LOUIS M. MOOS, DONALD GRAVES.

Columbia Falls, Mont. (same area as in previous years, but less adequately covered because iciness made walking very difficult).—Dec. 24; 8.45 A.M. to 5.15 P.M. Overcast; foggy; visibility nil at about 200 feet or less until 12.30 P.M.; no wind; some fields covered with crusted snow, others almost bare; temp. 30° to 36°. Both observers together. Total miles on foot, 11; by car, 27; total hours afoot, 7; by car, 1½. Mallard, 14; Goshawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 56; Wilson's Snipe, 2; Hairy Woodpecker, 2; American Magpie, 8; Long-tailed Chick-

AUDUBON MAGAZINE

adee, 7; Red-breasted Nuthatch, 5; Creeper, 4; Townsend's Solitaire, 2; Golden-crowned Kinglet, 1; Bohemian Waxwing, 10 (est.); English Sparrow, 150 (est.); Evening Grosbeak, 45; Common Redpoll, 100 (est.). **Total**, 16 species; approximately 408 individuals.—CARLETON and PHYLLIS THOROMAN.

Fortine, Mont. (farms, forests, and river-flats in central Fortine valley).—Dec. 26; 8.30 A.M. to 4.30 P.M. Cloudy; no snow except small patches in woods; streams all open; light southwest wind; temp. 34° to 40°. About 18 miles on foot, within a 5-mile diameter. Mallard, 72; Green-winged Teal, 12; Golden-eye (sp.), 19; Buffle-head, 4; Hooded Merganser, 3; Ruffed Grouse, 1; Wilson's Snipe, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Arctic Three-toed Woodpecker, 1; Alpine Three-toed Woodpecker, 1 [Alpine and Alaska races not differentiated—Ed.]; Alaska Three-toed Woodpecker, 2; Rocky Mountain Jay, 4; Magpie, 33; Raven, 35; Clark's Nutcracker, 28; Long-tailed Chickadee, 3; Mountain Chickadee, 34; Rocky Mountain Nuthatch, 10; Red-breasted Nuthatch, 25; Dipper, 2; Golden-crowned Kinglet, 2; Pine Grosbeak, 21; Common Redpoll, 1; Song Sparrow, 1. **Total**, 25 species; 300 individuals. Dec. 24: Cooper's Hawk, 1; Northwestern Shrike, 1.—WINTON WEYDEMEYER.

Missoula, Mont. (by car to Bitterroot River at mouth of Miller Creek, thence on foot along east bank; by car to Grass Valley, thence on foot across fields at Deschamp Ranch to warm slough where large numbers of Ducks concentrate in winter; by car to Greenough Park in Missoula, thence on foot for ¼ mile along west bank of Rattlesnake Creek).—Dec. 24; 9.15 A.M. to 4.30 P.M. Foggy until noon, then partly cloudy for rest of day; no wind; no snow in valleys where observations were made; temp. 32° at start, 35° at return. Three observers in party together all day. Total miles by car, 30; on foot, 10. Mallard, 2500 (est.); Pintail, 15; Green-winged Teal, 50; Barrow's Golden-eye, 1; Sharp-shinned Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 32; Killdeer, 1 (unusual); Kingfisher, 1; Red-shafted Flicker, 5; Pileated Woodpecker, 2; Hairy Woodpecker, 3; Batchelder's Woodpecker, 2; American Magpie, 40; Long-tailed Chickadee, 3; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 3; Golden-crowned Kinglet, 6; Redpoll, 37; English Sparrow, 100; Red-wing, 14 (winter residents near warm spring); Junco (subsp.), 26; Tree Sparrow, 21; Song Sparrow, 2. **Total**, 26 species; approximately 2869 individuals.—MR. and MRS. K. D. SWAN, DAVID BATES.

Casper, Wyo. (southwest edge of city, down Garden Creek to CY Ranch, up Platte River to Guernsey Dairy, to Highway 87 and home; fields, brush patches, sand dunes and woods).—Dec. 28; 10 A.M. to 4 P.M. Clear; brisk wind; temp. 40° at start, 34° at finish. Two observers. Total hours, 6; total miles, 14 (8 afoot, 6 by car). Ferruginous Rough-legged Hawk, 2; Golden Eagle, 1; American Magpie, 47; Desert Horned Lark, 28; English Sparrow, 85; Song Sparrow, 2. **Total**, 6 species; 165 individuals.—C. R. BERREY, PHIL BERREY.

Douglas, Wyo. (along North Platte River from Irvine to Orpha).—Dec. 27; 7.30 A.M. to 5.30 P.M. Cloudy; no snow on ground; temp. 39° at start, 44° at return; wind northwest, strong (17 to 49 m.p.h.). Partly by auto, partly afoot; observers in pairs. Total hours, 14. Mallard, 71; American Golden-eye, 2; Barrow's Golden-eye, 3; American Merganser, 1; American Rough-legged Hawk, 2; Ferruginous Rough-legged Hawk, 1; Golden Eagle, 2; Marsh Hawk, 2; Prairie Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 29; Wilson's Snipe, 6; Horned Owl, 10; Hairy Woodpecker, 1; Batchelder's Woodpecker, 3; Horned Lark, 230 (est.); Magpie, 227; Crow, 1; Long-tailed Chickadee, 4; Townsend's Solitaire, 10; Starling, 9; English Sparrow, 165 (est.); Brewer's Blackbird, 5; Tree Sparrow, 167 (est.); Song Sparrow, 11. **Total**, 25 species; 964 (est.) individuals.—ALAN HAY, WARREN GARST, BILL EASTMAN, JR., KENNETH COOK.

Grand Teton National Park, Moose, Wyo. (park headquarters to Beaver Ponds, along trail through forested area to Whitegrass Ranch, along road by small ponds and streams and return across sagebrush flats near east park boundary).—Dec. 29; 10.30 A.M. to 5.30 P.M. Cloudy; 30-in. snow; wind light, northeast; temp. 15° at start, 20° at return. Two observers in 1 party. Total miles by ski, 11; total party hours, 7. Mallard, 3; Barrow's Golden-eye, 3; Saw-whet Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 5; Rocky Mountain Jay, 5; Black-headed Jay, 4; American Magpie, 3; American Raven, 4; Clark's Nutcracker, 8; Long-tailed Chickadee, 43; Mountain Chickadee, 101; Red-breasted Nuthatch, 4; Creeper, 2; Pine Grosbeak, 10. **Total**, 15 species; 197 individuals. Kinglets were heard and tracks of Grouse were observed.—ALLEN F. HANKS, BENNETT T. GALE.

Pinedale, Wyo. (Pine Creek, Newfork River, East Fork of Newfork River, Boulder and Half-moon lakes; wooded bottoms, sagebrush flats, irrigated meadows and lodgepole timber; elevation 7000 to 9000 ft.).—Dec. 22; 6.30 A.M. to 3.30 P.M. Clear in A.M., overcast in P.M.; 2-in. snow lower elevation, 18-20-in. higher; no wind; temp. 10° at start, 33° at finish. Two observers together. Total party hours afield, 9½ (8 afoot, 1½ by car); total party miles, 63 (23 afoot, 40 by car). Mallard, 60; Gadwall, 13; Green-winged Teal, 6; American Golden-eye, 12; Barrow's Golden-eye, 8; Golden-eye (sp.), 119; Buffle-head, 13; American Merganser, 5; Red-breasted Merganser, 1; Goshawk, 1; Killdeer, 3; Wilson's Snipe, 8; Horned Owl, 1; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Rocky Mountain Jay, 3; Black-headed Jay, 4; Magpie, 109; Raven, 4; Clark's Nutcracker, 2; Long-tailed Chickadee, 65; Mountain Chickadee, 16; Rocky Mountain Nuthatch, 1; Creeper, 7; Dipper, 3; Golden-crowned Kinglet, 8; English Sparrow, 75; Gray-crowned, Hepburn's Rosy, and Black Rosy Finch, 900 (est.); Redpoll, 2; Bendire's Crossbill, 2; Tree Sparrow, 24. **Total**, 33 species; approximately 1479 individuals. Red-breasted Merganser observed at 40 feet. Goshawk flew within a few feet of car. The Rosy Finches were all in one flock.—GUY N. BUSH, ARNOLD W. BOLLE.

FORTY-FIRST CHRISTMAS BIRD CENSUS

Colorado Springs, Colo. (suburban Ivywild and Broadmoor, and surrounding foothill region, including lower South Cheyenne Cañon and a small reservoir).—Dec. 22; 8 A.M. to 4.30 P.M. Clear; remains of recent snow, almost gone by noon; no wind; temp. 25° at start, 50° at noon. Three observers in 2 parties, in close touch all day. Total party hours afoot, 14; total party miles afoot, 11. Mallard, 700 (est.); Green-winged Teal, 40 (est.); Red-breasted Merganser, 3; Red-tailed Hawk, 2; American Rough-legged Hawk, 2; Sparrow Hawk, 2; Wilson's Snipe, 3; Rock Dove, 20 (est.); Red-shafted Flicker, 11; Lewis's Woodpecker, 1; Downy Woodpecker, 4; Texas Woodpecker, 1 (♂—Gadd); Horned Lark, 20 (est.); Long-crested Jay, 30 (est.); Magpie, 40 (est.); Crow, 10; Long-tailed Chickadee, 5; Mountain Chickadee, 1; Lead-colored Bush-Tit, 12; Rocky Mountain Nuthatch, 8; Creeper, 1; Dipper, 1; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 1; English Sparrow, 50 (est.); Meadowlark, 5; House Finch, 60 (est.); Siskin, 4; Goldfinch, 4; Arctic Towhee, 5; White-winged Junco, 1; Slate-colored Junco, 5; Shufeldt's Junco, 13; Montana Junco, 14; Pink-sided Junco, 50 (est.); Gray-headed Junco, 11; Tree Sparrow, 110 (est.); White-crowned (Gambel's?) Sparrow, 1; Song Sparrow, 30 (est.). **Total**, 39 species; approximately 1182 individuals. Texas Woodpecker identified at 50 feet with 8X glass, 3rd central Colorado record. Bush-Tits highly irregular here. Robins present Dec. 15. Red-wings just outside census area.—W. LEWIS ABBOTT, SAM W. GADD, ELIOT INGRAM (recorder).

Fort Morgan, Colo. (South Platte River bottoms and Bijou Creek, thence across farm lands on return).—Dec. 22; 7 A.M. to 2 P.M. Clear; crusted snow; no wind; temp. 20° at start, 40° at finish. Seven hours afoot covering about 8 miles. Great Blue Heron, 2; Mallard, 10,000 (est.); Green-winged Teal, 6; American Merganser, 4; Swainson's Hawk, 3; Marsh Hawk, 4; Pigeon Hawk, 1; Ring-necked Pheasant, 8; Wilson's Snipe, 4; Ring-billed Gull, 3; Belted Kingfisher, 2; Red-shafted Flicker, 7; Hairy Woodpecker, 2; Batchelder's Woodpecker, 2; Horned Lark, 50 (est.); Blue Jay, 4; American Magpie, 17; Crow, 4; Long-tailed Chickadee, 8; White-rumped Shrike, 3; English Sparrow, 200 (est.); Western Meadowlark, 50 (est.); Thick-billed Red-wing, 2000 (est.); House Finch, 50 (est.); Pink-sided Junco, 75 (est.); Tree Sparrow, 50 (est.); Field Sparrow, 200 (est.); Song Sparrow, 150 (est.); Lapland Longspur, 50 (est.). **Total**, 92 species; approximately 12,956 individuals.—EDWARD HELSTERN.

Rocky Mountain National Park, Colo. (southwesterly from Deer Ridge at Hidden Valley saddle, around spur of Trail Ridge to gulch leading to Beaver Meadows; thence down Beaver Meadows along Beaver Brook to national park Utility Area; elevation between 7800 and 9300 feet; entire distance covered on foot).—Dec. 23; 9.30 A.M. to 3.30 P.M. Clear overhead, cloudy along horizons; some snow on ground in forest; wind moderate, shifting from east to southwest; temp. 38° at start, 35° at return. One observer. Total miles

afoot, 7½; total hours afoot, 6. Cooper's Hawk, 1; Hairy Woodpecker, 5; Batchelder's Woodpecker, 1; Long-crested Jay, 3; American Magpie, 8; Clark's Nutcracker, 2; Mountain Chickadee, 42; Black-eared Nuthatch, 19; Townsend's Solitaire, 1; Pine Siskin, 8. **Total**, 10 species; 90 individuals.—RAYMOND GREGG, Park Naturalist.

Ahsahka, Idaho (west along the Clearwater River to Migill's Spur, then north and east across benchland fields and through coniferous woodlots to an elevation of 1800 feet, then east and south, returning to Ahsahka through coniferous forests).—Dec. 25; 9 A.M. to 3.30 P.M. Cloudy; intermittent showers; drifting fog; visibility poor; no snow; no wind; temp. 40° at start, 44° at return. Single observer. Total miles afoot, 8; total hours afoot, 6½. Ruffed Grouse, 2; Chinese Pheasant, 3; Killdeer, 3; Flicker, 5; Hairy Woodpecker, 2; Magpie, 9; Winter Wren, 1; Junco, 9; Song Sparrow, 5. **Total**, 9 species; 39 individuals.—J. A. STEIGER.

Lewiston, Idaho (Clearwater River to Goat Island, Snake River to Tammany Creek, through orchards and along Lindsay Creek, afoot over golf course, weedy orchards, and grain fields, by car to points of interest).—Dec. 22; 7.45 A.M. to 4 P.M. Raining almost all day; no wind; temp. 49° at start, 44° at return. Five observers together in car, scattered afoot. Total hours afield, 7; total miles, 45 (5 afoot and 40 in car). Pied-billed Grebe, 3; Great Blue Heron, 3; Black-crowned Night Heron, 2; Canada Goose, 16; Mallard, 37; Wood Duck, 1; Baldpate, 41; American Goldeneye, 9; Hooded Merganser, 12; American Merganser, 35; Sparrow Hawk, 2; European Partridge, 4; Ring-necked Pheasant, 42; Coor, 3; Killdeer, 1; Wilson's Snipe, 3; Gull, 2; Mourning Dove, 2; Belted Kingfisher, 2; Red-shafted Flicker, 11; Rock Wren, 1; Robin, 6; Audubon's Warbler, 2; English Sparrow, 103; Western Meadowlark, 15; Brewer's Blackbird, 9; House Finch, 63; Goldfinch, 5; Oregon Junco, 71; Gambel's Sparrow, 85; Song Sparrow, 10. **Total**, 31 species; 603 individuals.—MR. and MRS. FRANK GILLET, MRS. U. S. MILLER, HELEN PRICE, LORENA MILLER.

Bear River National Wildlife Refuge, Brigham, Utah (from refuge headquarters by auto west along canal road, thence south and east over dikes to Perry, Utah, thence north following state highway along foothills to Brigham City, thence west through fields and over salt flats, touching points along Bear River, and back to refuge headquarters).—Dec. 26; 10 A.M. to 5 P.M. Partly cloudy; no wind; temp. 34° at start, 32° at finish. Two observers in 1 party. Total party hours afield, 7; total party miles, 47 (2 on foot, 45 by car). Pied-billed Grebe, 53; Treganza's Heron, 17; Black-crowned Night Heron, 3; Whistling Swan, 2700-3000; Canada Goose, 74; Mallard, 1200-1400; Baldpate, 600 (est.); Pintail, 1300-1500; Shoveller, 1; Green-winged Teal, 41; Cinnamon Teal, 1; American Goldeneye, 5; Buffle-head, 6; Ruddy Duck, 46; American Merganser, 13; Red-breasted Merganser, 8; American Rough-legged Hawk, 7; Bald Eagle, 12; Marsh Hawk, 11; Sparrow Hawk, 2; Duck Hawk, 7; Ring-necked Pheasant, 95; Coor, 25; Killdeer, 2;

AUDUBON MAGAZINE

California Gull, 1; Short-eared Owl, 1; Red-shafted Flicker, 3; Horned Lark, 900-1100; American Magpie, 15; American Raven, 24; English Sparrow, 200; Thick-billed Red-wing, 284; Cowbird, 43; Song Sparrow, 28. **Total**, 34 species; approximately 7728 individuals.—VANEZ T. WILSON, GRANT MCFARLAND.

Ogden, Utah (Hooper water fowlrun, Birch Creek, Ogden Canyon, cold water canyon, marsh, mountain, hollows, sagebrush, and woodlands).—Dec. 27; 8.30 A.M. to 6.10 P.M. Overcast, cloudy; rain later changing to snow; wind 10-20 m.p.h.; temp. 38° at start, 34° at finish. Four observers working in 1 party. Total party hours afield, 9 hours, 10 minutes (6 hours, 25 minutes afoot, and 2 hours, 45 minutes by car); total party miles, 53 (16 afoot, 37 by car). Mallard, 21; Pintail, 1; American Golden-eye, 17; Buffle-head, 10; American Merganser, 1; Prairie Falcon, 1; Duck Hawk, 2; Sparrow Hawk, 2; California Quail, 150+; Ring-necked Pheasant, 20; Killdeer, 2; Mourning Dove, 2; Horned Owl, 1; Short-eared Owl, 2; Red-shafted Flicker, 16; Horned Lark, 350+; Magpie, 56; Woodhouse's Jay, 4; Raven, 52; Dipper, 2; English Sparrow, 600+; Meadowlark, 13; Goldfinch, 79; Gray-headed Junco, 3; Montana Junco, 43+; Gambel's Sparrow, 2; Song Sparrow, 11. **Total**, 27 species; approximately 1463 individuals.—BOB and KENNETH PARSONS, DEE and LEE PORTER.

Salt Lake City, Utah (within a radius of 7½ miles of the city and county building).—Dec. 22; 7.30 A.M. to 4.30 P.M. Foggy and cloudy, visibility poor; ground covered with frost, and thin layer of snow; ponds and streams partly frozen; cold west wind; temp. 26° to 34°. Thirty-three people in 14 parties; 92 party hours; 121 party miles by automobile; 90 party miles afoot. Pied-billed Grebe, 2; Treganza's Heron, 2; Bittern, 1 (Mrs. Lockerbie); Mallard, 779; Gadwall, 9; Baldpate, 159; Pintail, 500; Green-winged Teal, 332; Cinnamon Teal, 3 (Rex Snow); Shoveller, 124; Red-head, 10; American Golden-eye, 1; American Merganser, 10; Red-breasted Merganser, 7; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; American Rough-legged Hawk, 7; Golden Eagle, 1; Marsh Hawk, 19; Prairie Falcon, 2; Sparrow Hawk, 9; Ruffed Grouse, 1; California Quail, 2784; Ring-necked Pheasant, 123; Virginia Rail, 2; Sora, 1; Coot, 58; Killdeer, 84; Wilson's Snipe, 47; Least Sandpiper, 1 (Mrs. Nielson); California Gull, 6; Ring-billed Gull, 10; Great Horned Owl, 2; Burrowing Owl, 1 (Mrs. Lockerbie); Belted Kingfisher, 2; Red-shafted Flicker, 256; Lewis's Woodpecker, 7; Red-naped Sapsucker, 2; Batchelder's Woodpecker, 5; Horned Lark, 477; Black-headed Jay, 8; Woodhouse's Jay, 8; American Magpie, 74; Raven, 5; Mountain Chickadee, 27; Long-tailed Chickadee, 307; Rocky Mountain Nuthatch, 2; Dipper, 6; Marsh Wren, 12; Cañon Wren, 1; Robin, 21; Townsend's Solitaire, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 7; Pipit, 87; English Sparrow, 4144; Meadowlark, 78; Red-wing, 1142; Brewer's Blackbird, 1884; Starling, 1 (Thayer Evans); Evening Grosbeak, 57; House Finch, 346; Hepburn's Rosy Finch, 71; Pine Siskin, 166; Pale

Goldfinch, 122; Spurred Towhee, 20; Gray-headed Junco, 27; Slate-colored Junco, 70; Montana Junco, 834; Pink-sided Junco, 42; Tree Sparrow, 20; Gambel's Sparrow, 247; Song Sparrow, 181. **Total**, 74 species; 11,773 individuals, plus 4144 English Sparrows.—DR. and MRS. A. M. WOODBURY, WALTER WOODBURY, DIXON WOODBURY, EDITH WOODBURY, DR. WILLIAM H. BEHLE, DR. J. W. SUGDEN and son JOHN W., JR., REX B. SNOW, MRS. FRANK W. JONES, J. DONALD DAYNE and son RICHARD, CHARLES W. LOCKERBIE, MRS. C. W. LOCKERBIE, ELLIS R. WILSON, GILBERT EARTON, KERMIT DORRIS, JEAN H. LINFORD, DOUGLAS HENRIQUES, MRS. H. E. HENRIQUES, JACK ROSCOE, BOB PICKETT, GORDON BEACH, KENNETH R. TANNER, MR. and MRS. GEORG NIELSEN, THAYER EVANS, ALLAN NIELSON, TOM WILKENSEN, JAY GRAHAM, DALE BACKMAN, BOB SAFFRON, DON FERGUSON (members Utah Audubon Society).

Montezuma Castle National Monument, Ariz. (diameter of 3 miles near Camp Verde).—Dec. 22; 8 A.M. to 12 M., 2 P.M. to 4.30 P.M. Hazy and overcast in morning, clearing in afternoon; wind light, north; temp. 30° at start, 56° at return. Total miles afoot, 6; total hours, 6½. (Horned?) Grebe, 1 (new record for vicinity); Treganza's Heron, 1; American Merganser, 10; Cooper's Hawk, 1; Sparrow Hawk, 1; Gambel's Quail, 69+; Screech Owl, 2; Belted Kingfisher, 3 (or 4); Red-shafted Flicker, 4; Gila Woodpecker, 1; (Red-naped?) Sapsucker, 1; Cactus Woodpecker, 1; Black Phoebe, 1; Say's Phoebe, 1; Woodhouse's Jay, 1; Raven, 1; Baird's Wren, 2; Cañon Wren, 5; Rock Wren, 2; Crissal Thrasher, 2; Chestnut-backed Bluebird, 8; Ruby-crowned Kinglet, 5+; White-rumped Shrike, 1; Cardinal, 6; House Finch, 13; Pale Goldfinch, 62+; Green-backed Goldfinch, 8+; Spurred Towhee, 2; Abert's Towhee, 5; Oregon Junco, 60+; Pink-sided Junco, 8+; Gambel's Sparrow, 24+; Song Sparrow, 1; Sparrow (sp.?), 25. **Total**, 34 species; 338+ individuals. Fifteen Bridled Titmice seen on the 25th.—BETTY JACKSON.

Santa Catalina Mts., Ariz. (15-mile diameter on south slope centering near Sabino Canyon).—Dec. 22; 7.15 A.M. to 6 P.M. Bright and clear; ground bare; calm (slight haze and partly cloudy in early P.M.); temp. 39° to 76°. Observers in 6 parties in A.M., 5 in P.M.: party I, 2 observers, in Upper Sonoran and lower part of Transition Zone, 7 hours (+ 1 en route), 1+ miles; party II, 3 observers, 8 hours, 4 miles; party III, 3 observers, 6½ hours, 7 miles; party IV, 2 observers, 6½ hours, 3 miles; party V, 1 observer, 6½ hours, 3 miles; party VI, 1 observer, 4½ hours, 4 miles. Total hours, 39¾; total miles afoot, 22, plus 141 by auto. Treganza's Heron, 2; Mallard, 13; Baldpate, 3; Green-winged Teal, 4; Cinnamon Teal, 2; Shoveller, 2; Redhead, 2; Canvas-back, 2; Ruddy Duck, 1; (+ 14 unidentified Ducks); Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 11; Marsh Hawk, 1; Prairie Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 13; Gambel's Quail, 60; Mearns's Quail, 3; Virginia Rail, 1; Coot, 2; Killdeer, 27; Wilson's Snipe, 1; Mourning Dove, 65; Inca Dove, 12; Road-runner, 2; Horned Owl, 2;

FORTY-FIRST CHRISTMAS BIRD CENSUS

White-throated Swift, 56; Belted Kingfisher, 3; Red-shafted Flicker, 36; Gilded Flicker, 85; Gila Woodpecker, 85; Mearns's Woodpecker, 5; Red-naped Sapsucker, 11; Cactus Woodpecker, 15; Arizona Woodpecker, 2; Black Phoebe, 11; Say's Phoebe, 14; Vermilion Flycatcher, 7; Beardless Flycatcher, 2 (in separate localities); Long-crested Jay, 18; Woodhouse's Jay, 1; Arizona Jay, 37; American Raven, 6; Bridled Titmouse, 17; Verdin, 30; Rocky Mountain Nuthatch, 6; Black-eared Nuthatch, 36; House Wren, 4; Cactus Wren, 22; Marsh Wren, 2; Cañon Wren, 22; Rock Wren, 15; Mockingbird, 2; Bendire's Thrasher, 5; Palmer's Thrasher, 38; Crissal Thrasher, 6; Robin, 12; Hermit Thrush, 4; Chestnut-backed Bluebird, 97; Mountain Bluebird, 15; Townsend's Solitaire, 1; Western Gnatcatcher, 4; Plumbeous Gnatcatcher, 12; Ruby-crowned Kinglet, 67; Cedar Waxwing, 1; Phainopepla, 53; White-rumped Shrike, 22; Plumbeous Vireo, 1 (Jacot); Audubon's Warbler, 12; Yellow-throat, 4; English Sparrow, 25; Western Meadowlark, 18 (+ 17 unidentified); Yellow-headed Blackbird, 3; Red-wing, 50; Brewer's Blackbird, 10; Cardinal, 31; Pyrrhuloxia, 6; House Finch, 543; Pine Siskin, 3; Green-backed Goldfinch, 9; Green-tailed Towhee, 3; Spurred Towhee, 11; Cañon Towhee, 25; Abert's Towhee, 10; Lark Bunting, 277; Savannah Sparrow, 2; Vesper Sparrow, 20; Lark Sparrow, 11; Desert Sparrow, 32; Shufeldt's Junco, 41; Pink-sided Junco, 2; Gray-headed Junco, 2; Red-backed Junco, 6; Arizona Junco, 1 (plus 54 unidentified Junco); Chipping Sparrow, 58; Brewer's Sparrow, 2; Black-chinned Sparrow, 4 (E. J., W. H., R. J.); Gambel's Sparrow, 408; Fox Sparrow, 5; Lincoln's Sparrow, 4; Mountain Song Sparrow, 22; Desert Song Sparrow, 1 (R. J.). **Total**, 102 species and subspecies; 2799 individuals. Impassable roads prevent including mountaintop area. Draining of pond and burning of rushes accounts for small number of Blackbirds.—A. H. ANDERSON, DR. R. A. DARROW, R. A. FLOCK, MR. and MRS. WM. X. FOERSTER, DR. WM. L. HOLT, MR. and MRS. E. C. JACOT, RANDOLPH JENKS, J. S. SEABURY, MARJORIE STEGMAYER, MRS. M. VAN SICLEN (members of Bird Club of the Tucson Natural History Society).

Tucson, Ariz. (Santa Cruz River valley and vicinity).—Dec. 28; 6.50 A.M. to 5.50 P.M. Overcast; ground bare; calm to slight south wind in P.M.; temp. 38° to 66°. Observers in 2 parties in A.M., 3 in P.M.: party I, 2 observers, 9 hours, 6 miles; 1 observer, 5 hours, 3 miles; party II, 2 observers, 4 hours, 2 miles; 1 observer, 7 hours, 5 miles; party III, 2 observers, 2½ hours, 1½ miles. Total hours, 18½; total miles afoot, 12½, plus 114 by auto. Treganza's Heron, 2; Mallard, 11; Baldpate, 16; Pintail, 65; Green-winged Teal, 55; Shoveller, 12; Lesser Scaup, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 7; Audubon's Caracara, 1; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 10; Gambel's Quail, 17; Ring-necked Pheasant, 3; Coot, 3; Killdeer, 40; Wilson's Snipe, 20; Least Sandpiper, 40; Mourning Dove, 180; Ground Dove, 13; Inca Dove, 12; Road-runner, 1; Poorwill, 1 (Jacot); White-throated Swift, 3; Anna's

(?) Hummingbird, 1; Red-shafted Flicker, 27; Gilded Flicker, 5; Gila Woodpecker, 17; Red-naped Sapsucker, 1; Cactus Woodpecker, 9; Black Phoebe, 13; Say's Phoebe, 11; Vermilion Flycatcher, 18; Horned Lark, 76; Raven, 25; Verdin, 22; House Wren, 12; Cactus Wren, 6; Marsh Wren, 8; Mockingbird, 3; Bendire's Thrasher, 4; Palmer's Thrasher, 5; Crissal Thrasher, 7; Robin, 1; Mountain Bluebird, 9; Western Gnatcatcher, 4; Plumbeous Gnatcatcher, 1; Gnatcatcher (sp.?), 1; Ruby-crowned Kinglet, 25; Pipit, 19; Phainopepla, 2; White-rumped Shrike, 25; Parula Warbler, 1 (♀, with a group of Audubon's Warblers; observed at close range with 6× binoculars; second record for the state—Monson); Audubon's Warbler, 31; Black-throated Gray Warbler, 1; English Sparrow, 128; (Arizona) Meadowlark, 2; Western Meadowlark, 6; Meadowlark (sp.?), 108; Yellow-headed Blackbird, 62; Red-wing, 864+; Brewer's Blackbird, 1202+; Dwarf Cowbird, 106+; Cardinal, 12; Pyrrhuloxia, 17; House Finch, 622; Lawrence's Goldfinch, 18; Green-tailed Towhee, 13; Cañon Towhee, 12; Abert's Towhee, 34; Lark Bunting, 324; Savannah Sparrow, 30; Vesper Sparrow, 30; Lark Sparrow, 21; Rufous-winged Sparrow, 4; Desert Sparrow, 20; Sage Sparrow, 4; Shufeldt's Junco, 3; Pink-sided Junco, 4; Chipping Sparrow, 68; Brewer's Sparrow, 38; White-crowned Sparrow, 2 (Monson); Gambel's Sparrow, 449; Lincoln's Sparrow, 5; Song Sparrow, 30. **Total**, 86 species and subspecies; 5206+ individuals. Seen within area on Dec. 27: American Merganser, 2; Black Vulture, 3.—ALMA J. and WILLIAM X. FOERSTER, FRANCES FRICK and EDOUARD C. JACOT, GEORGE JONES, GALE MONSON, SALLY MYER.

Yuma, Ariz. (both sides Colorado River, bottoms, irrigated farmland, brush, aquatics, including Laguna Dam and Imperial Dam).—Dec. 22; 7.15 A.M. to 5.30 P.M. Partly cloudy; calm; temp. 52° to 70°. Four observers in one party. Total party miles, 52 (48 by auto, 4 afoot). Eared Grebe, 3; Pied-billed Grebe, 5; Farallon Cormorant, 3; Treganza's Heron, 11; American Egret, 18; Snowy Egret, 3; Black-crowned Night Heron, 1; Mallard, 4; Baldpate, 30; Green-winged Teal, 1; Cinnamon Teal, 7; Shoveller, 9; Redhead, 35; Lesser Scaup, 8; Ruddy Duck, 21; American Merganser, 9; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 9; Pigeon Hawk, 1; Sparrow Hawk, 7; Gambel's Quail, 35; Florida Gallinule, 1; Coot, 1000 (est.); Killdeer, 88; Spotted Sandpiper, 6; Greater Yellow-legs, 12; Western Sandpiper, 123; Mourning Dove, 147; Ground Dove, 3; Road-runner, 8; Belted Kingfisher, 3; Red-shafted Flicker, 22; Gila Woodpecker, 9; Cactus Woodpecker, 4; Vermilion Flycatcher, 1; Say's Phoebe, 19; Black Phoebe, 11; Tree Swallow, 3; Violet-green Swallow, 4; Verdin, 2; Rock Wren, 2; Bewick's Wren, 1; Cactus Wren, 1; Mockingbird, 5; Crissal Thrasher, 1; Mountain Bluebird, 41; Western Gnatcatcher, 6; Ruby-crowned Kinglet, 15; Pipit, 57; Phainopepla, 2; White-rumped Shrike, 21; Audubon's Warbler, 100 (est.); Black-throated Gray Warbler, 1; Yellow-throat, 1; English Sparrow, 80; Western (?) Meadowlark,

AUDUBON MAGAZINE

27; Yellow-headed Blackbird, 1000 (est.); Red-wing, 2000 (est.); Brewer's Blackbird, 500 (est.); Cowbird, 4; House Finch, 11; Nevada Towhee, 1; Abert's Towhee, 11; Green-tailed Towhee, 1; Savannah Sparrow, 1; Lark Sparrow, 1; Oregon Junco (subsp.), 3; Gambel's Sparrow, 157 (est.); Lincoln's Sparrow, 2; Song Sparrow, 2. **Total**, 73 species; approximately 5751 individuals.—MR. and MRS. CHARLES T. VORHIES, MR. and MRS. LEE W. ARNOLD.

Boulder City, Nev. (Lake Mead shore, Recreational Center Beach for 5 miles north, desert and canyons to the west, Boulder City, and Boulder Dam area; creosote bush-cactus, desert and suburban).—Dec. 29; 6:45 A.M. to 2:15 P.M. Overcast; light rain from noon on. Three observers together. Total party hours afield, 7½ (5½ afoot, 2 by car); total party miles, 32 (8 afoot, 24 by car). Pied-billed Grebe, 1; Great Blue Heron, 5; Shoveller, 1; American Merganser, 3; Golden Eagle, 1; Prairie Falcon, 1; Ring-billed Gull, 1; Say's Phoebe, 2; Raven, 3; Rock Wren, 2; Crissal Thrasher, 2; Robin, 5; Plumbeous Gnatcatcher, 2; Ruby-crowned Kinglet, 2; American Pipit, 2; Nevada Shrike, 1; Audubon's Warbler, 1; English Sparrow, 30; Brewer's Blackbird, 6; House Finch, 19; Lark Bunting, 6; Savannah Sparrow, 2; Sage Sparrow, 77; White-crowned Sparrow, 16. **Total**, 24 species; 193 individuals.—DAVID G. NICHOLS, JOOST TER PELKWIJK, ROBERT W. STORER.

Gardnerville, Nev. (Carson Valley at altitude of 4750 feet; mostly level fields, bordered by willows; reservoirs, open woods, river banks, and clumps of willows; sloughs, ditches, a small rocky-banked river, a pond, marshes, and reservoirs).—Dec. 22; 7:15 A.M. to 6 P.M. Clear to partly cloudy; calm to moderate wind; temp. at start 35°–40°, about 60° at noon. One observer. Total hours afield, 9¼ (9¼ by foot, 15 min. by car); total miles, 30 (25 by foot, 5 by car). Great Blue Heron, 3; American Egret, 1 (dead on ice of reservoir); Black-crowned Night Heron, 5; Canada Goose, 226; Lesser Scaup, 45; Buffle-head, 1 (♂); Turkey Vulture, 1; Swainson's Hawk, 1 (imm.); American Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 3; California Quail, 103; Ring-necked Pheasant, 9; Coot, 6; Killdeer, 27; Wilson's Snipe, 3; Belted Kingfisher, 1; Red-shafted Flicker, 15; Downy Woodpecker, 2; Prairie Horned Lark, 110; Magpie, 23; Mountain Bluebird, 16; Ruby-crowned Kinglet, 1; Pipit, 22; Northern Shrike, 1; Audubon's Warbler, 50; English Sparrow, 25; Western Meadowlark, 17; Brewer's Blackbird, 509; Oregon Junco, 34; Gray-headed Junco, 1; White-crowned Sparrow, 32; Song Sparrow, 11. **Total**, 33 species; 1314 individuals.—DANIEL R. SHAW.

Nixon, Nev. (Pyramid Lake shore and canyons, junction of Nevada Routes 33 and 34 to mouth of Truckee River and Nixon to mouth of Truckee River; sagebrush desert, cottonwoods along river, and lower part of juniper-pinyon belt on sides of canyons).—Dec. 27; 6:45 A.M. to 5:30 P.M. Overcast; light, persistent rain, clearing in late afternoon; light snow above 5000 feet. Three observers together. Total party hours afield, 10¼ (8½ afoot, 2¼ by car); total party miles, 43

(13 afoot, 30 by car). Eared Grebe, 1; Canada Goose, 60; Mallard, 1; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; California Quail, 51; Coot, 21; Killdeer, 1; Wilson's Snipe, 1; California Gull, 62; Say's Phoebe, 1; Horned Lark, 127; American Magpie, 16; Raven, 1; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 1; American Pipit, 1; English Sparrow, 10; Western Meadowlark, 1; House Finch, 60; Savannah Sparrow, 1; Sage Sparrow, 15; Oregon Junco, 60; White-crowned Sparrow, 45; Song Sparrow, 7. **Total**, 26 species; 549 individuals. Dec. 26: Prairie Falcon, 1; Nevada Shrike, 1. Dec. 28: Whistling Swan, 4.—DAVID G. NICHOLS, JOOST TER PELKWIJK, ROBERT W. STORER.

Ruby Lake National Wildlife Refuge, Ruby Valley, Nev. (refuge; marsh, hay-meadows, willow-thickets and sage brush).—Dec. 29; 8 A.M. to 4 P.M. Overcast; snow flurries; wind south, 15 m.p.h.; temp. 34° at start, 33° at finish. One observer. Total hours afield, 8 (6 by car, 2 afoot); total party miles, 40 (38 by car, 2 afoot). Great Blue Heron, 2; Black-crowned Night Heron, 1; Whistling Swan, 35; Canada Goose, 50; Mallard, 302; Gadwall, 5; Baldpate, 105; Pintail, 10; Green-winged Teal, 186; Ring-necked Duck, 2; Lesser Scaup, 12; American Golden-eye, 4; Barrow's Golden-eye, 2; Buffle-head, 6; American Merganser, 7; Red-tailed Hawk, 1; American Rough-legged Hawk, 9; Ferruginous Rough-legged Hawk, 5; Golden Eagle, 1; Marsh Hawk, 17; Prairie Falcon, 5; Sparrow Hawk, 19; Sage Hen, 256; Coot, 57; Wilson's Snipe, 14; Great Horned Owl, 2; Barred Owl, 1; Short-eared Owl, 3; Red-shafted Flicker, 2; Horned Lark, 195; Magpie, 52; Raven, 73; Dipper, 1; English Sparrow, 5; Western Meadowlark, 1; Lapland Longspur, 59. **Total**, 36 species; 1587 individuals.—HERBERT H. DILL.

Everson, Wash. (50 acres in northeast section of land, bounded by Everson-Goshen and Central Roads).—Dec. 25; 9 A.M. to 12 M., 1 to 4 P.M. Morning, sky partly cloudy to overcast; wind light, northeast; temp. 45° at start. Afternoon, overcast heavily; strong southeast wind; some rain; temp. 48° at return. One observer. Total miles afoot, 6; total hours afoot, 6. Canada Goose, 4; Buffle-head, 25; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Glaucous-winged Gull, 9; Northwestern Flicker, 8; Pileated Woodpecker, 1; Gairdner's Woodpecker, 1; Crow, 2; Oregon Chickadee, 16; Chestnut-backed Chickadee, 2; Winter Wren, 9; Seattle Wren, 12; Robin, 6; Varied Thrush, 20; Golden-crowned Kinglet, 35; Northwestern Shrike, 1; Evening Grosbeak, 5; Purple Finch, 7; Pine Siskin, 1; Oregon Towhee, 9; Junco, 95; Song Sparrow, 12. **Total**, 23 species; 284 individuals.—ZELLA McMANNAMA.

Mount Rainier National Park, Longmire, Wash. (about Longmire swamp and meadow area, Trail of the Shadows, Eagle Trail to Indian Henry trail, thence to Paradise highway, up road to Nisqually River, along Nisqually River through camp ground, thence to road and return to Longmire; route largely through virgin forest of western hemlock, Douglas fir and western red cedars).—Dec. 29; 8 A.M. to 2 P.M. Overcast; snowing;

FORTY-FIRST CHRISTMAS BIRD CENSUS

very little wind; temp. 30° at start, 38° at finish. One observer. Pileated Woodpecker, 1; Oregon Jay, 8; Steller's Jay, 5; Clark's Nutcracker, 1; Chestnut-backed Chickadee, 17; Winter Wren, 1; Golden-crowned Kinglet, 13. **Total, 7 species; 46 individuals.**—C. FRANK BROCKMAN, Park Naturalist.

Seattle, Wash.—Dec. 22; 8 A.M. TO 5 P.M. Overcast, becoming partly clear; some rain at beginning of census; wind fresh, gradually decreasing; census area swept by 65 m.p.h. gale a few hours before dawn; wind on census day southwest, averaging 17.6 m.p.h.; temp. averaging 52°. Observers working in 13 districts, as follows: Govt. Locks to Golden Gardens by Edward Johnson, 5¾ hours, 6 miles; Golden Gardens to Carkeek Park by Mr. and Mrs. A. Forsman, 6½ hours, 8 miles; Green Lake by E. D. Lumley, 3 hours, 3 miles; University of Washington swamp by H. W. Higman, 5 hours, 5 miles (by canoe); University of Washington campus by Denis Boddy and Max Cannon, 5 hours, 3 miles; University of Washington Arboretum by Misses Terrell and Wilson, 4½ hours, 4 miles; Madison Park to Leschi Park by Miss Kate Thompson, 8 hours, 8 miles; Leschi Park to Seward Park by Garrett Eddy, Ward Beecher, and Mary Eddy, 5 hours, 5½ miles; Elliott Gulch to Alki Point and Schmitz Park districts by Mrs. Bertha Schuler and Miss Cannon, 7 hours, 7 miles; Alki Point to Lincoln Park by Warren Flock and Earl J. Larrison, 6½ hours, 8 miles; industrial district ponds and flats by George Fahey, 4 hours, 5½ miles; east shore of Lake Washington by Walter Hagenstein, 7 hours, 22 miles (by foot and car). Total hours afield, 68¼ (60¼ afoot, 5 by canoe, 3 by car); total miles afield, 65½ (57½ afoot, 5 by canoe, 3 by car). Lesser Loon, 7; Holboell's Grebe, 33; Horned Grebe, 47; Eared Grebe, 21; Western Grebe, 257; Pied-billed Grebe, 40; White-crested Cormorant, 37; Brandt's Cormorant, 16; Baird's Cormorant, 4; Great Blue Heron, 12; Bittern, 2; Canada Goose, 8; Lesser Snow Goose, 4; Mallard, 1476; Gadwall, 28; Baldpate, 4080; Pintail, 91; Green-winged Teal, 85; Shoveller, 210; Ring-necked Duck, 12; Canvas-back, 54; Greater Scaup, 1127; Lesser Scaup, 340; American Golden-eye, 168; Barrow's Golden-eye, 5; Buffle-head, 92; Harlequin Duck, 5; White-winged Scoter, 520; Surf Scoter, 810; Ruddy Duck, 249; Hooded Merganser, 4; American Merganser, 135; Red-breasted Merganser, 51; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 3; Sparrow Hawk, 2; Ruffed Grouse, 2; California Quail, 97; Ring-necked Pheasant, 55; Coot, 3527; Killdeer, 98; Wilson's Snipe, 25; Glaucous-winged Gull, 3327; Herring Gull, 20; Thayer's Gull, 9; California Gull, 40; Ring-billed Gull, 17; Short-billed Gull, 141; Bonaparte's Gull, 23; California Murre, 1; Marbled Murrelet, 8; Band-tailed Pigeon, 140; Rock Dove, 63; Saw-whet Owl, 1; Belted Kingfisher, 6; Flicker, 103; Pileated Woodpecker, 1; Harris's Woodpecker, 1; Gairdner's Woodpecker, 10; Steller's Jay, 10; Crow, 82; Oregon Chickadee, 392; Chestnut-backed Chickadee, 78; Bush-Tit, 503; Red-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 90; Seattle Wren, 35; Tule Wren, 2;

Robin, 420; Varied Thrush, 70; Hermit Thrush, 1; Western Bluebird, 19; Golden-crowned Kinglet, 284; Ruby-crowned Kinglet, 42; Cedar Waxwing, 45; Hutton's Vireo, 1; Audubon's Warbler, 2; English Sparrow, 178; Red-wing, 5; Brewer's Blackbird, 111; Purple Finch, 32; Pine Siskin, 349; Goldfinch, 9; Red Crossbill, 15; Oregon Towhee, 179; Savannah Sparrow, 2; Oregon Junco, 233; White-crowned Sparrow, 8; Golden-crowned Sparrow, 2; Song Sparrow, 399. **Total, 92 species; 21,321 individuals.**—EARL J. LARRISON, Chairman of Census Committee, Seattle Audubon Society.

Spokane, Wash. (city parks, cemeteries, various residential areas, Spokane River, Whitworth College campus and vicinity).—Dec. 22; 9 A.M. TO 3:30 P.M. Cloudy, sun shining part of the time; ground bare; light south wind; temp. 40° to 45°. Thirteen observers, 6 groups. Total party miles, 47 (24 by car, 23 afoot). Treganza's Heron, 3; Mallard, 220; Lesser Scaup, 6; Hooded Merganser, 14; American Merganser, 16; Sharp-shinned Hawk, 2; American Rough-legged Hawk, 1; European Partridge, 2; Ring-necked Pheasant, 54; Ring-billed Gull, 2; Belted Kingfisher, 1; Red-shafted Flicker, 24; American Magpie, 24; Long-tailed Chickadee, 26; Oregon Chickadee, 5 [no details—Ed.]; Mountain Chickadee, 12; Red-breasted Nuthatch, 70; Pygmy Nuthatch, 50; Dipper, 3; Winter Wren, 1; Robin, 30; Varied Thrush, 1; Western Bluebird, 13; Golden-crowned Kinglet, 17; Northwestern Shrike, 1; English Sparrow, 300 (est.); Western Meadowlark, 1; Evening Grosbeak, 30; Redpoll, 2; Bendire's Crossbill, 18; Oregon Junco, 24 [no details—Ed.]; Shufeldt's Junco, 54; Fox Sparrow, 3; Mountain Song Sparrow, 5; Merrill's Song Sparrow, 1. **Total, 35 species; approximately 1036 individuals.**—WM. B. WRIGHT (compiler), MRS. WM. B. WRIGHT, MRS. CORA ROBERT, DOROTHY WHEATLEY, MRS. ARCHIE CLOUGH, MATTIE BURKE, BELLE BOTHWELL, J. L. SLOANAKER, MR. AND MRS. STEPHEN O. STANLEY, MRS. E. L. DENNIS, MRS. CHAS. POWER, DR. P. D. GUSTAVSON of Whitworth College in charge of his biology class (Spokane Bird Club).

Willapa National Wildlife Refuge, Ilwaco, Wash. (southern half of Willapa Bay, Naselle River Bridge to Nachotta Dock; tidal bays and marshes, shoreline and fringes of fir, spruce-hemlock woods).—Dec. 26; 7:30 A.M. TO 4:30 P.M. Rain; wind 38 m.p.h.; temp. 37° at start and finish. One observer. Total miles, 34 (6 afoot, 28 by car). Pacific Loon, 6; Holboell's Grebe, 2; Eared Grebe, 3; Western Grebe, 7; Brandt's Cormorant, 8; Northwestern Coast Heron, 18; Canada Goose, 400; Cackling Goose, 12; Black Brant, 424; Mallard, 22; Baldpate, 105; Pintail, 28; Green-winged Teal, 7; Canvas-back, 108; Greater Scaup, 80; American Golden-eye, 1; Buffle-head, 128; White-winged Scoter, 35; Surf Scoter, 21; Ruddy Duck, 102; Hooded Merganser, 1; American Merganser, 5; Red-tailed Hawk, 1; Bald Eagle, 4; Duck Hawk, 1; Sparrow Hawk, 2; Coot, 14; Killdeer, 90; Wilson's Snipe, 18; Willet, 8; Red-backed Sandpiper, 2200; Sanderling, 1200; Northern Phalarope, 3 [no details—Ed.]; Glaucous-winged Gull, 256; Western Gull, 220; Herring Gull, 270; Short-

AUDUBON MAGAZINE

billed Gull, 30; Belted Kingfisher, 2; North-western Flicker, 29; Red-breasted Sapsucker, 1; Harris's Woodpecker, 2; Steller's Jay, 2; American Raven, 1; Crow, 160; Oregon Chickadee, 36; Winter Wren, 8; Seattle Wren, 10; Robin, 6; Golden-crowned Kinglet, 47; Red-wing, 20; Brewer's Blackbird, 67; Oregon Towhee, 1; Oregon Junco, 14; Song Sparrow, 73. **Total, 54 species; 6339 individuals.**—EUGENE E. CRAWFORD (Fish and Wildlife Service).

Woodinville, Wash. (Piedmont area; starting at a point 3 miles east of Woodinville, then to Crystal Lake, Paradise Lake, Cottage Lake, and return to starting point).—Dec. 23; 8 A.M. to 2 P.M. Overcast with occasional showers; wind light; temp. 42° at start, 46° at finish. Observer alone. Total hours afoot, 6; total miles afoot, 11½. American Golden-eye, 3; Ruffed Grouse, 3; Glaucous-winged Gull, 2; Flicker, 3; Red-breasted Sapsucker, 1; Harris's Woodpecker, 1; Crow, 20; Oregon Chickadee, 25; Bush-Tit, 25; Winter Wren, 20; Seattle Wren, 14; Robin, 2; Varied Thrush, 8; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 36; Oregon Towhee, 3; Oregon Junco, 10; Song Sparrow, 13. **Total, 18 species; 229 individuals.**—BOB FUSNER.

Ashland, Ore. (Bear Creek upstream 4 miles, up to Pompadour Cliff and on to Gerke Falls, returning across face of Grizzly Peak through open fields).—Dec. 23; 7.30 A.M. to 3.30 P.M. Sky clear in A.M.; high cumulus clouds in P.M.; temp. 45° at start, 51° at return. Observers together. Total miles afoot, 11; total hours afoot, 8. Great Blue Heron, 3; Mallard, 5; Green-winged Teal, 38; Wood Duck, 1; American Merganser, 7; Cooper's Hawk, 2; Red-tailed Hawk, 17; Sparrow Hawk, 8; California Quail, 143; Ring-necked Pheasant, 16; Killdeer, 24; Wilson's Snipe, 4; Spotted Sandpiper, 2; Mourning Dove, 18; Great Horned Owl, 3; Burrowing Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 30; California Woodpecker, 7; Red-breasted Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 32; Steller's Jay, 1; California Jay, 14; Crow, 2; Black-capped Chickadee, 29; Plain Titmouse, 7; Bush-Tit, 18; Slender-billed Nuthatch, 2; Pygmy Nuthatch, 2; House Wren, 4 [no details—Ed.]; Robin, 6; Western Bluebird, 245; Ruby-crowned Kinglet, 4; English Sparrow, 2; Western Meadowlark, 122; Red-wing, 14; House Finch, 13; Green-backed Goldfinch, 171; Spotted Towhee, 13; Brown Towhee, 17; Lark Sparrow, 3; Oregon Junco, 197; Chipping Sparrow, 32 [no details, date and numbers extraordinary—Ed.]; Nuttall's Sparrow, 11; Golden-crowned Sparrow, 15; Fox Sparrow, 44; Song Sparrow, 15. **Total, 50 species; 1376 individuals.**—NATHAN B. GALE, JR., DON G. DELISLE, GAYLORD COX, MALCOLM CADY, JR.

Malheur National Wildlife Refuge, Burns, Ore. (from Witzel Lane south to the P Ranch via Boca Lake by automobile, then afoot and by automobile along Blitzen River to Page diversion dam, then by automobile to Frenchglen and along west edge of refuge to Witzel Lane, place of beginning; meadows, creek bottoms, lake shore, sagebrush flats, and spring branches, various

short side trips made on foot).—Dec. 22; 9.30 A.M. to 4.20 P.M. Overcast; stiff cold breeze; no snow on ground; temp. 38° at start, 42° at return. Four observers working in 1 party. Total party hours, 22 (12 afoot, 10 by car); total party miles, 36 (30 by auto, 6 afoot). Great Blue Heron, 21; Canada Goose, 811; Mallard, 166; Gadwall, 53; Baldpate, 58; Pintail, 7; Green-winged Teal, 22; Shoveller, 11; Ring-necked Duck, 24; Canvas-back, 1; Lesser Scaup, 2; American Golden-eye, 27; Ruddy Duck, 27; American Merganser, 2; Red-tailed Hawk, 3; American Rough-legged Hawk, 33; Golden Eagle, 6; Bald Eagle, 1; Marsh Hawk, 27; Prairie Falcon, 1; Valley Quail, 39; Ring-necked Pheasant, 16; Coot, 2; Killdeer, 2; Wilson's Snipe, 7; Great Horned Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 23; Wright's Flycatcher, 2 [no details—Ed.]; American Magpie, 17; American Raven, 6; Grinnell's Chickadee, 6; Lead-colored Bush-Tit, 6; Winter Wren, 6; Marsh Wren, 2; Robin, 45; Townsend's Solitaire, 3; Ruby-crowned Kinglet, 6; California Shrike, 2; Cassin's Vireo, 6 [no details—Ed.]; Pale Goldfinch, 11; Savannah Sparrow, 6; Shufeldt's Junco, 71; Tree Sparrow, 28. **Total, 45 species; 1619 individuals.**—DR. L. E. HIPBARD, WM. BAKER, GEORGE BENSON, JOHN C. SCHARFF (Fish and Wildlife Service).

Portland, Ore. (circle of 15-mile diameter centered in city).—Dec. 29; 8 A.M. to 4.30 P.M. Foggy without wind or rain; temp. 38° at start, 41° at return. Sixty-five observers in 17 parties. Total party hours afoot, 102 (72 afoot, 26 by car, 4 by boat); total party miles, 308 (90 afoot, 198 by car, 20 by boat). Eared Grebe, 2; Western Grebe, 1; Pied-billed Grebe, 3; Farallon Cormorant, 55; Great Blue Heron, 43; Green Heron, 3; American Bittern, 1; Canada Goose, 13; Mallard, 1602; Gadwall, 5; Baldpate, 1408; Pintail, 128; Green-winged Teal, 815; Shoveller, 9; Wood Duck, 11; Ring-necked Duck, 4; Canvas-back, 2; Lesser Scaup, 8; Buffle-head, 54; Ruddy Duck, 6; Hooded Merganser, 25; American Merganser, 208; Sharp-shinned Hawk, 5; Cooper's Hawk, 5; Red-tailed Hawk, 8; Pigeon Hawk, 1; Sparrow Hawk, 47; Ruffed Grouse, 3; Bob-white, 23; California Quail, 4; Mountain Quail, 10; Ring-necked Pheasant, 147; Coot, 313; Killdeer, 176; Wilson's Snipe, 7; Northern Phalarope, 1 (E. F. Averill); Glaucous-winged Gull, 1573; California Gull, 1696; Ring-billed Gull, 120; Short-billed Gull, 3105; unidentified Gulls, 897; Mourning Dove, 22; Screech Owl, 3; Short-eared Owl, 7; Belted Kingfisher, 3; Red-shafted Flicker, 296; Red-breasted Sapsucker, 1; Harris's Woodpecker, 6; Gairdner's Woodpecker, 47; Horned Lark, 96; Steller's Jay, 40; California Jay, 2; Raven, 1; Crow, 3366; Oregon Chickadee, 333; Chestnut-backed Chickadee, 163; Bush-Tit, 391; Slender-billed Nuthatch, 7; Red-breasted Nuthatch, 4; Brown Creeper, 15; Winter Wren, 70; Seattle Wren, 93; Robin, 709; Varied Thrush, 163; Bluebird, 30; Golden-crowned Kinglet, 507; Ruby-crowned Kinglet, 63; Pipit, 150; Hutton's Vireo, 2; Lutescent Warbler, 1; Myrtle Warbler, 5; Audubon's Warbler, 28; Townsend's Warbler, 2; English Sparrow, 1339; Meadowlark, 84; Red-wing, 53; Brewer's Black-

FORTY-FIRST CHRISTMAS BIRD CENSUS

bird, 1604; Evening Grosbeak, 10; California Purple Finch, 82; Pine Siskin, 194; Willow Goldfinch, 360; Oregon Towhee, 192; Slate-colored Junco, 3; Oregon Junco, 2895; White-crowned Sparrow, 23; Golden-crowned Sparrow, 220; Fox Sparrow, 14; Song Sparrow, 1223. **Total, 87 species; 27,464 individuals.**—E. A. MARSHALL, DAVID and ALBERT MARSHALL, MELLA WHITE, ISABEL WILDES, J. W. C. WILLIAMS, NORBERT LEUFOLD, LOUIS OBERSON, ROSS NICHOLAS, MR. and MRS. C. L. MARSHALL, MR. and MRS. T. D. KIRKPATRICK, C. L. KELLER, MRS. B. F. LAYMAN, W. J. WILLIAMS, MRS. F. C. BLAKESEER, MRS. PHIL. BOMAR, MRS. CLYDE HILDRETH, HENRY STREINBRUGGE, WM. TELFER, L. L. SCHRAMM, MR. and MRS. L. F. SIMON, LOTUS SIMON, W. A. ELIOT, ARLIE SEAMAN, N. G. SEAMAN, B. A. THAXTER, EMMA APPEGATE, DR. CARL HAGQUIST, MERLIN MORREY, SUSIE NICHOLSON, MABEL WILLIAMS, JOYCE WILDES, ESTHER MARGOLY, DR. and MRS. FRANK McCAULEY, MRS. A. L. MILLS, JR., EVE MACVEIGH, T. T. MUNGER, OSWALD and DUNCAN MUNGER, H. S. GILBERT, MRS. L. J. MERRILL, MRS. SMALL, DEAN McBRIDE, P. E. LEWIS, BARBARA EIMSTAD, L. LONG, MRS. A. L. CAMPBELL, JOHN HOLSTROM, ROBERT and ERNEST LIVINGSTONE, MABEL LIVINGSTONE, TIM BEEBE, RONALD CURTIS, DR. and MRS. THEODORE ADAMS, MR. and MRS. W. H. CROWELL, MR. and MRS. HENRY DuBOIS, MR. and MRS. E. F. AVERILL (Oregon Audubon Society).

Benicia, Calif.—Dec. 28; 8 A.M. to 3.30 P.M. Heavily overcast throughout the day; light east wind; temp. 48° at start, 49° at return. Both observers traveling together by automobile with occasional stops to canvas the marsh and hills along highway between Benicia and Cordelia, the 2 towns being 14 miles apart. Total man-hours, 15. Horned Grebe, 1; Western Grebe, 9; California Heron, 3; American Egret, 10; Brewster's Egret, 17; Mallard, 8; Baldpate, 4; Pintail, 300 (est.); Shoveller, 150; Canvas-back, 600 (est.); Lesser Scaup, 50; American Golden-eye, 8; Surf Scoter, 2; Ruddy Duck, 300 (est.); White-tailed Kite, 1; Red-tailed Hawk, 8; Marsh Hawk, 14; Prairie Falcon, 3; Sparrow Hawk, 26; Coot, 2000 (est.); Glaucous-winged Gull, 6; Western Gull, 55; California Gull, 10; Bonaparte's Gull, 25; Burrowing Owl, 1; Anna's Hummingbird, 2; Kingfisher, 1; Red-shafted Flicker, 40; Willow Woodpecker, 1; Black Phoebe, 2; Say's Phoebe, 3; Nicasio Jay, 25; Plain Titmouse, 1; Suisun Marsh Wren, 5; Mockingbird, 1; Robin, 3000 (est.); Varied Thrush, 20; Western Bluebird, 20; Mountain Bluebird, 50; Ruby-crowned Kinglet, 16; Pipit, 6; Shrike, 22; Audubon's Warbler, 45; English Sparrow, 30; Meadowlark, 350; Red-wing, 125; Tricolored Red-wing, 10; Brewer's Blackbird, 5000 (est.); House Finch, 10; Willow Goldfinch, 100 (est.); Green-backed Goldfinch, 6; Spotted Towhee, 4; Savannah Sparrow, 50; Junco, 85; Nuttall's Sparrow, 140; Golden-crowned Sparrow, 27; Song Sparrow, 22. **Total, 57 species; about 12,830 individuals.** White-tailed Kite well observed with 8X glasses at 200 feet. Shore birds entirely absent during census due to high floodwaters throughout the day. Many waterfowl

unidentified because of poor visibility.—EMERSON A. STONER, JAMES M. BARKLEY.

Big Bear Lake, Calif. (desert scrub, willows, and cottonwoods at Box S and Cushenbury Springs on north slope of San Bernardino Mts., through pinyon belt, and pine forests on shores of Baldwin and Big Bear Lakes; altitude 3600 to 7500 ft.)—Dec. 27; 6.15 A.M. to 4.15 P.M. Partly cloudy; ground bare at lower levels; 2-in. snow in sheltered areas in Bear Valley; lakes open; brisk wind; temp. 38° at start, 50° at finish. Observer alone. Total hours afield, 10 (7½ afoot, 2½ by car); total miles, 53 (11 afoot, 42 by car). No attempt has been made to distinguish between subspecies, and names used refer to species as a whole. Eared Grebe, 5 (+ sev. dead); Blue Heron, 9; Baldpate, 225; Pintail, 75; Green-winged Teal, 30; Shoveller, 3; Redhead, 110; Ring-necked Duck, 70; Canvas-back, 2000 (est.); Scaup, 1 (9); Ruddy Duck, 800 (est.); American Merganser, 250; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 2; Gambel's Quail, 15; Coot, 50,000 (est.); Killdeer, 5; Greater Yellowlegs, 1; Ring-billed Gull, 10; Red-shafted Flicker, 19; Williamson's Sapsucker, 1; Hairy Woodpecker, 1; White-headed Woodpecker, 4; Horned Lark, 25; Blue-fronted Jay, 8; California Jay, 1; Mountain Chickadee, 47; Verdin, 2; Bush-Tit, 55; White-breasted Nuthatch, 5; Pygmy Nuthatch, 48; Creeper, 2; Wren-Tit, 1; Bewick's Wren, 15; Cactus Wren, 6; Leconte's Thrasher, 1; Mountain Bluebird, 3; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 9; Shrike, 3; English Sparrow, 10; Brewer's Blackbird, 100 (est.); House Finch, 12; Green-backed Goldfinch, 1; Lawrence's Goldfinch, 2; Spotted Towhee (*maculatus*), 8; Junco, 43; White-crowned Sparrow, 600 (est.). **Total, 50 species; approximately 54,650 individuals.**—HOWARD L. COGSWELL.

Death Valley National Monument, Death Valley, Calif. (foothills of the Funeral Mts., about 1500 feet altitude, to some springs 250 feet below sea-level; ravines, salt flats, grassy golf course, date groves, mesquite-covered areas and some lagoons).—Dec. 27; 8 A.M. to 4 P.M. Total party miles by car, 30; on foot, 4. Baldpate, 2; Green-winged Teal, 19; Red-tailed Hawk, 3; Golden Eagle, 1; Prairie Falcon, 1; Coot, 2; Killdeer, 3; Wilson's Snipe, 1; Red-shafted Flicker, 1; Black Phoebe, 2; Say's Phoebe, 10; American Raven, 7; Verdin, 1; Western Marsh Wren, 6; Cañon Wren, 1; Rock Wren, 1; Leconte's Thrasher, 1; Ruby-crowned Kinglet, 3; Pipit, 11; Audubon's Warbler, 1; English Sparrow, 15; Western Meadowlark, 20; Red-wing, 1; Cowbird, 1; Savannah Sparrow, 4; Sage Sparrow, 4; Song Sparrow, 3. **Total, 27 species; 125 individuals.**—W. EARL SHANTEAU, M. FRENCH GILMAN.

Los Angeles, Calif. (territory same as 1937-1938 and 1939 area: section radiating 7½ miles from La Cienega and Airdrome Crossing, in Los Angeles, taking in short stretch of seashore, sloughs, four city parks, canyons on south and west slopes of Griffith Park, foothills within specified area and city reservoirs).—Dec. 22; 7.30 A.M. to 4 P.M. Rain in early morning, clearing around 8 A.M., warm and sunny to 2 P.M., skies

AUDUBON MAGAZINE

becoming overcast by 2.30 P.M., raining 4 P.M.; temp. 56° at start, 62° at return. Sixteen observers working in 8 parties. Total party hours afield, 57 (43½ afoot, 13½ by car); total party miles, 87 (37 afoot, 50 by car). Red-throated Loon, 1; Horned Grebe, 2; Eared Grebe, 38; Western Grebe, 9; Pied-billed Grebe, 23; Brown Pelican, 22; Farallon Cormorant, 37; California Heron, 4; American Egret, 24; Snowy Egret, 6; Green Heron, 1; Black-crowned Night Heron, 25; American Bittern, 2; Cackling Goose, 1 (seen in Westlake Park—Daugherty); Mallard, 6; Baldpate, 4; Pintail, 294; Green-winged Teal, 6; Cinnamon Teal, 4; Shoveller, 201; Ring-necked Duck, 1; Greater Scaup, 1; Lesser Scaup, 238; Buffle-head, 1; White-winged Scoter, 60; Surf Scoter, 406 (great rafts of Scoters offshore); Ruddy Duck, 145; Red-breasted Merganser, 68; Turkey Vulture, 2; Sharp-shinned Hawk, 5; Cooper's Hawk, 5; Red-tailed Hawk, 14; Marsh Hawk, 4; Sparrow Hawk, 18; California Quail, 255; Coot, 648; Semipalmated Plover, 5; Killdeer, 114; Black-bellied Plover, 112; Black Turnstone, 1; Long-billed Curlew, 7; Hudsonian Curlew, 12; Spotted Sandpiper, 5; Willet, 320; Greater Yellow-legs, 67; Least Sandpiper, 170; Red-backed Sandpiper, 8; Long-billed Dowitcher, 20; Western Sandpiper, 90; Marbled Godwit, 312; Sanderling, 292; Avocet, 45; Glaucous-winged Gull, 39; Western Gull, 67; Herring Gull, 1; California Gull, 190; Ring-billed Gull, 1114; Bonaparte's Gull, 202; Heermann's Gull, 54; Forster's Tern, 65; Mourning Dove, 32; Chinese Spotted Dove, 81; Ringed Turtle Dove, 33; Road-runner, 5; Barn Owl, 3; Burrowing Owl, 3; Short-eared Owl, 2; White-throated Swift, 50; Anna's Hummingbird, 45; Belted Kingfisher, 6; Red-shafted Flicker, 59; California Woodpecker, 29; Lewis's Woodpecker, 7 (1st appearance throughout this area in several years—Faddis, Hoffman); Red-breasted Sapsucker, 1; Cabanis's Woodpecker, 2; Willow Woodpecker, 4; Nuttall's Woodpecker, 9; Ash-throated Flycatcher, 1 (6th winter for Ash-throated in this vicinity—Fuller); Black Phoebe, 46; Say's Phoebe, 7; Horned Lark, 20; California Jay, 75; Crow, 8; Mountain Chickadee, 2; San Diego Titmouse, 21; Bush-Tit, 254; Red-breasted Nuthatch, 1; Wren-Tit, 44; House Wren, 2; Winter Wren, 1; San Diego Wren, 16; Tule Wren, 36; Mockingbird, 167; California Thrasher, 26; Robin, 345; Hermit Thrush, 29; Western Bluebird, 8; Western Gnatcatcher, 26; Ruby-crowned Kinglet, 67; Pipit, 11; Cedar Waxwing, 32; Phainopepla, 1 (wintering in Griffith Park—Michael, Quattlebaum); California Shrike, 21; Dusky Warbler, 2; Audubon's Warbler, 352; Yellow-throat, 29; English Sparrow, 1111; Western Meadowlark, 58; Red-wing, 13; Brewer's Blackbird, 1495; California Purple Finch, 9; House Finch, 708; Willow Goldfinch, 32; Green-backed Goldfinch, 70; San Diego Towhee, 20; California Towhee, 76; Savannah Sparrow, 63; Belding's Sparrow, 42; Large-billed Sparrow, 2; Lark Sparrow, 180; Rufous-crowned Sparrow, 4; Thurber's Junco, 79; Gambel's Sparrow, 274; Golden-crowned Sparrow, 14; Fox Sparrow, 4; Song Sparrow, 135. Total, 126 species; 12,303 individuals.—Mr. and Mrs. W. A. KENT, Miss

RUBY CURRY, Mrs. ENID R. MICHAEL, W. DAN QUATTLEBAUM, MIRIAM S. FADDIS, Mrs. BESS M. HOFFMAN, Mrs. BERTHA FULLER, ARTHUR L. BERRY, Mrs. GRACE HALL, Mrs. MARY B. SALMON, Mrs. JESSE L. MORAIN, Mrs. O. M. STULTZ, LAURA GREELY, MAY WAIT, Mrs. CAROLINE H. DAUGHERTY (representing California Audubon Society, Los Angeles Audubon Society, Pasadena Audubon Society, Calypse Club, Southwest Bird Study Club).

Marin County, Calif. (a circle with a 15-mile diameter having its center on the east slope of Mt. Tamalpais; includes from Rodeo Lagoon north to Woodacre and from Bolinas Bay east to San Pablo Bay).—Dec. 22; 6.10 A.M. to 5 P.M. Overcast until 11.30 A.M., then a steady rain the rest of the day; moderate to strong wind varying from southwest to southeast; temp. (Sausalito), 56° at 7 A.M., 56° at 3 P.M. Thirteen observers in 6 groups. Total party hours, 55½; total miles by car, 71; on foot, 65. Pacific Loon, 11; Red-throated Loon, 5; Eared Grebe, 70; Western Grebe, 1114; Pied-billed Grebe, 27; Brown Pelican, 100; Double-crested Cormorant, 494; Brandt's Cormorant, 2; Baird's Cormorant, 2; Great Blue Heron, 27; American Egret, 44; Black-crowned Night Heron, 1; Mallard, 30; Pintail, 136; Ring-necked Duck, 15; Canvas-back, 1011; Lesser Scaup, 901; American Golden-eye, 50; Buffle-head, 19; White-winged Scoter, 101; Surf Scoter, 2589; Ruddy Duck, 1456; Hooded Merganser, 4; American Merganser, 6; Red-breasted Merganser, 16; Turkey Vulture, 10; Sharp-shinned Hawk, 10; Cooper's Hawk, 3; Red-tailed Hawk, 12; Marsh Hawk, 2; Prairie Falcon, 1; Duck Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 36; California Quail, 105; Ring-necked Pheasant, 1; Clapper Rail, 1; Coot, 395; Killdeer, 20; Black-bellied Plover, 20; Black Turnstone, 5; Hudsonian Curlew, 6; Spotted Sandpiper, 1; Willet, 45; Least Sandpiper, 2405; Red-backed Sandpiper, 56; Western Sandpiper, 67; Sanderling, 1; Glaucous-winged Gull, 384; Western Gull, 1193; Herring Gull, 71; California Gull, 719; Ring-billed Gull, 64; Short-billed Gull, 79; Bonaparte's Gull, 4; Band-tailed Pigeon, 32; Screech Owl, 1; Great Horned Owl, 3; Burrowing Owl, 1; Vaux's Swift, 10 (A. H. Miller); Anna's Hummingbird, 9; Kingfisher, 17; Red-shafted Flicker, 81; California Woodpecker, 15; Red-breasted Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Black Phoebe, 26; Say's Phoebe, 7; Steller's Jay, 39; California Jay, 60; Raven, 3; Crow, 262; Chestnut-backed Chickadee, 135; Plain Titmouse, 17; Bush-Tit, 172; Brown Creeper, 8; Wren-Tit, 73; Winter Wren, 17; Bewick's Wren, 33; Long-billed Marsh Wren, 13; Robin, 839; Varied Thrush, 64; Hermit Thrush, 59; Western Bluebird, 38; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 95; Ruby-crowned Kinglet, 102; Pipit, 318; Cedar Waxwing, 114; Loggerhead Shrike, 2; Hutton's Vireo, 5; Myrtle Warbler, 2; Audubon's Warbler, 196; Townsend's Warbler, 8; English Sparrow, 133; Western Meadowlark, 326; Red-wing, 156; Brewer's Blackbird, 1135; California Purple Finch, 48; House Finch, 68; Pine Siskin, 79; Green-backed Goldfinch, 36; Spotted Towhee, 61; Brown Tow-

FORTY-FIRST CHRISTMAS BIRD CENSUS

hee, 61; Savannah Sparrow, 17; Rufous-crowned Sparrow, 4; Oregon Junco, 544; White-crowned Sparrow, 585; Golden-crowned Sparrow, 405; Fox Sparrow, 51; Song Sparrow, 135. **Total**, 112 species; 20,680 individuals.—ENID AUSTIN, G. BARTHOLOMEW, G. BOLANDER, MR. and MRS. T. C. GROODY, JUNEA KELLY, J. T. MARSHALL, JR., E. MCCLINTOCK, A. H. MILLER, D. G. NICHOLS, N. STONE, R. W. STORER, F. G. WATSON (compiler).

Monterey Peninsula Region, Calif. (Laguna del Rey and chaparral area 1 mile southeast, Hotel Del Monte grounds, El Estero in Monterey, Monterey harbor from S. P. depot to a point on beach $1\frac{1}{2}$ miles east, Hopkins Marine Station, Pacific Grove waterfront west to Point Aulon, section of oak-studded fields at foot of Jack's Peak, area in vicinity of Carmel Valley road at a point 3.3 miles east of intersection with State Highway No. 1 and at a point 7 miles east of same intersection, section of pine-filled canyon at north city limit of Carmel, Carmel beach, Carmel lagoon, and Point Lobos. All counts made within a $\frac{3}{4}$ -mile diameter and only at the places indicated).—Dec. 24; 6:30 A.M. to 6:30 P.M. Cloudy with intermittent but heavy showers of rain; strong southwest wind; ground bare; temp. 55° at start, 49° at return. Three observers, separate and together. Total party hours afield, $13\frac{1}{2}$ ($7\frac{1}{2}$ afoot, 1 by car and 5 hours making counts at specified points); total party miles, $10\frac{1}{2}$ (8 afoot, $2\frac{1}{2}$ by car; on additional "transportation mileage" no counts made). Common Loon, 3; Pacific Loon, 5; Red-throated Loon, 2; Holboell's Grebe, 1; Horned Grebe, 1; Eared Grebe, 7; Western Grebe, 52; Pied-billed Grebe, 18; Brown Pelican, 15; Brandt's Cormorant, 230; Pelagic Cormorant, 11; Great Blue Heron, 1; Black-crowned Night Heron, 2; Mallard, 2; Baldpate, 3; Pintail, 2; Green-winged Teal, 5; Cinnamon Teal, 4; Shoveller, 16; Wood Duck, 1; Canvas-back, 16; Lesser Scaup, 12; White-winged Scoter, 7; Surf Scoter, 177; Ruddy Duck, 141; American Merganser, 1; Red-breasted Merganser, 14; Red-tailed Hawk, 1; Marsh Hawk, 1; Duck Hawk, 1; Sparrow Hawk, 4; California Quail, 101; Virginia Rail, 2; Sora, 1; Coot, 268; Black Oyster-catcher, 2; Killdeer, 10; Surf-bird, 2; Black Turnstone, 13; Wilson's Snipe, 3; Sanderling, 50; Red Phalarope, 5; Glaucous-winged Gull, 489; Western Gull, 375; Herring Gull, 194; California Gull, 651; Ring-billed Gull, 20; Short-billed Gull, 102; Bonaparte's Gull, 52; Heermann's Gull, 52; Ancient Murrelet, 1; Rhinoceros Auklet, 1; Barn Owl, 1; Screech Owl, 1; Horned Owl, 3; Burrowing Owl, 1; Anna's Hummingbird, 4; Belted Kingfisher, 1; Red-shafted Flicker, 5; California Woodpecker, 23; Hairy Woodpecker, 1; Black Phoebe, 7; Say's Phoebe, 2; California Jay, 11; Yellow-billed Magpie, 1; Chestnut-backed Chickadee, 18; Plain Titmouse, 5; Bush-Tit, 19; White-breasted Nuthatch, 1; Pygmy Nuthatch, 7; Wren-Tit, 5; Winter Wren, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 2; Robin, 17; Varied Thrush, 14; Hermit Thrush, 5; Western Bluebird, 3; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 7; Pipit, 22; Loggerhead Shrike, 1; Hutton's Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler,

17; Townsend's Warbler, 2; Yellow-throat, 1; English Sparrow, 3; Western Meadowlark, 69; Red-wing, 336; Tricolored Red-wing, 2; Brewer's Blackbird, 166; Goldfinch (*tristis*), 2; Common House Finch, 2; Spotted Towhee (*maculatus*), 9; Brown Towhee (*fuscus*), 2; Savannah Sparrow, 3; Slate-colored Junco, 1; Oregon Junco, 47; White-crowned Sparrow, 59; Golden-crowned Sparrow, 33; White-throated Sparrow, 1; Fox Sparrow, 5; Lincoln's Sparrow, 3; Song Sparrow, 10. (Note: names used refer to species as a whole and do not imply any particular racial form.) **Total**, 105 species; 3944 individuals.—ENA HOAG, A. B. WILLIAMS, LAIDLAW WILLIAMS.

Newport Upper Bay (Orange Co.), Calif. (northern portion).—Dec. 26; 8:14 A.M. to 4:07 P.M. Clear and mild; ground very wet; wind south, light. Fifteen miles on foot. Pacific Loon, 6; Western Grebe, 5; Pied-billed Grebe, 19; Pacific Fulmar, 7 (noted flying at an altitude of about 150 feet, studied with 8X binoculars); Farallon Cormorant, 3; California Heron, 7; American Egret, 33; Snowy Egret, 11; American Bittern, 1; Mallard, 10; Gadwall, 1; Baldpate, 2; Pintail, 800 (est.); Cinnamon Teal, 1; Lesser Scaup, 175; Buffle-head, 5; Ruddy Duck, 22; Turkey Vulture, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 8; Sparrow Hawk, 3; Ring-necked Pheasant, 1; Virginia Rail, 4; Coot, 149; Killdeer, 35; Long-billed Dowitcher, 7; Western Sandpiper, 18; Marbled Godwit, 1; Sanderling, 35; Black-necked Stilt, 2; Western Gull, 232; Herring Gull, 6; California Gull, 871; Kittiwake, 3; Forster's Tern, 9; Mourning Dove, 3; Burrowing Owl, 1; Violet-green Swallow, 451 [?—En.]; White-throated Swift, 256; Anna's Hummingbird, 1; Cassin's Kingbird, 13; Black Phoebe, 8; Say's Phoebe, 8; Horned Lark, 79; Crow, 1; House Wren, 1; Tule Wren, 1; Mockingbird, 2; Western Bluebird, 16; Pipit, 1; California Shrike, 4; Audubon's Warbler, 28; Yellow-throat, 4; Western Meadowlark, 26; Red-wing, 135; Brewer's Blackbird, 3; House Finch, 512; Willow Goldfinch, 2; Green-backed Goldfinch, 8; Savannah Sparrow, 29; Belding's Sparrow, 14; Lark Sparrow, 2; Gambel's Sparrow, 217; Lincoln's Sparrow, 1; Song Sparrow, 12. **Total**, 66 species; approximately 4342 individuals.—PAUL DAVID HURD, JR.

Oakland, Calif. (Mills College and near vicinity, Leona Heights, Sequoia Park, Skyline Boulevard in the Oakland hills and Lake Merritt and mud flats bordering the Alameda Municipal Golf Course and Oakland Municipal Airport).—Dec. 29; 8:30 A.M. to 4 P.M. Cloudy; moderate north wind; temp. 52° at start, 57° at return. Observers in pairs: party I, 2 observers, 7 hours, 20 miles; party II, 2 observers, $6\frac{1}{2}$ hours, 21 miles. Total miles afoot, 19; total miles by automobile, 22. Total hours afoot, $11\frac{1}{4}$; total hours by automobile, $13\frac{1}{4}$. Red-throated Loon, 4; Horned Grebe, 19; Eared Grebe, 150; Western Grebe, 22; Pied-billed Grebe, 14; Brown Pelican, 1; Farallon Cormorant, 7; Great Blue Heron, 8; American Bittern, 1; Mallard, 3; Baldpate, 560; Pintail, 295; Green-winged Teal, 65; Shoveller, 49; Canvas-back, 1560; Scaup (sp.?), 5000 (est.); American Golden-eye, 85; Buffle-head, 8; White-winged

AUDUBON MAGAZINE

Scoter, 130; Surf Scoter, 152; Ruddy Duck, 500 (est.); Sharp-shinned Hawk, 1; Red-tailed Hawk, 11; Ferruginous Rough-legged Hawk, 1; Marsh Hawk, 14; Sparrow Hawk, 10; California Quail, 50; Clapper Rail, 75; Coot, 800 (est.); Killdeer, 6; Willet, 200 (est.); Least Sandpiper, 80; Marbled Godwit, 200 (est.); Sanderling, 2; Avocet, 1; Glaucous-winged Gull, 4; Western Gull, 8; Herring Gull, 3; California Gull, 20; Ring-billed Gull, 8; Bonaparte's Gull, 700 (est.); Heermann's Gull, 1; Mourning Dove, 3; Horned Owl, 2; Burrowing Owl, 3; Short-eared Owl, 8; Anna's Hummingbird, 10; Red-shafted Flicker, 10; California Woodpecker, 1; Black Phoebe, 2; Horned Lark, 33; Steller's Jay, 5; California Jay, 18; Plain Titmouse, 5; Bush-Tit, 90; Slender-billed Nuthatch, 2; Red-breasted Nuthatch, 1; Creeper, 3; Wren-Tit, 15; Winter Wren, 1; Bewick's Wren, 2; Mockingbird, 1; California Thrasher, 4; Robin, 100 (est.); Varied Thrush, 15; Hermit Thrush, 10; Western Bluebird, 3; Western Gnatcatcher, 1; Ruby-crowned Kinglet, 15; Pipit, 35; California Shrike, 2; Hutton's Vireo, 1; Myrtle Warbler, 10; Audubon's Warbler, 50; Townsend's Warbler, 5; English Sparrow, 50; Western Meadowlark, 50; Brewer's Blackbird, 70; California Purple Finch, 5; House Finch, 300 (est.); Pine Siskin, 45; Willow Goldfinch, 5; Green-backed Goldfinch, 7; Spotted Towhee, 25; Brown Towhee, 35; Savannah Sparrow, 40; Rufous-crowned Sparrow, 1; Oregon Junco, 125; White-crowned Sparrow, 60; Golden-crowned Sparrow, 85; Fox Sparrow, 35; Lincoln's Sparrow, 8; Song Sparrow, 60. **Total**, 93 species; approximately 7835 individuals.—H. W. CARRIGER, MILTON SEIBERT, HARRY ADAMSON, LEROY JENSEN.

Salton Sea National Wildlife Refuge, Brawley, Calif. (parts of refuge, Imperial State Game Refuge, and their vicinities, farms, desert vegetation, mesquite and willow thickets, shallow-water, mud and sand flats, fresh and brackish water, all within 15-mile circle below sea-level).—Dec. 22; 6.30 A.M. to 6 P.M. Partly cloudy; wind light, northwest; temp. 48° at start, 61° at finish. Three observers working in 1 party. Total party hours afield, 11½ (8½ afoot, 3 by car); total party miles, 62½ (2½ afoot, 60 by car). Eared Grebe, 26; Western Grebe, 4; White Pelican, 402; Farallon Cormorant, 1; Great Blue Heron, 19; American Egret, 26; Snowy Egret, 31; Black-crowned Night Heron, 84; American Bittern, 5; White-faced Glossy Ibis, 194; Canada Goose, 151; White-fronted Goose, 107; Snow Goose, 4628; Mallard, 2; Gadwall, 1; Baldpate, 100,000; Pintail, 100,000; Green-winged Teal, 1250; Cinnamon Teal, 250; Shoveller, 410; Canvas-back, 461; Lesser Scaup, 20; Buffle-head, 2; Ruddy Duck, 3; Turkey Vulture, 41; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 12; Sparrow Hawk, 20; Ring-necked Pheasant, 1; Little Brown Crane, 137; Sora, 3; Florida Gallinule, 1; Coot, 50; Killdeer, 142; Black-bellied Plover, 95; Wilson's Snipe, 1; Long-billed Curlew, 31; Spotted Sandpiper, 1; Willet, 1; Greater Yellow-legs, 33; Least Sandpiper, 26; Long-billed Dowitcher, 610; Western Sandpiper, 255; Marbled Godwit, 56; Avocet, 209; Black-necked Stilt, 1; Ring-billed Gull, 1005;

Mourning Dove, 76; Road-runner, 4; Burrowing Owl, 5; Red-shafted Flicker, 10; Gila Woodpecker, 2; Black Phoebe, 16; Say's Phoebe, 13; Vermilion Flycatcher, 1; Tree Swallow, 1; Violet-green Swallow, 79; Barn Swallow, 1; Verdin, 5; Bewick's Wren, 1; Marsh Wren, 7; Mockingbird, 8; Mountain Bluebird, 183; Western Bluebird, 163; Western Gnatcatcher, 6; Plumbeous Gnatcatcher, 2; Ruby-crowned Kinglet, 10; Phainopepla, 6; Shrike, 39; Audubon's Warbler, 17; Yellow-throat, 3; English Sparrow, 3; Meadowlark, 25; Yellow-headed Blackbird, 1; Red-wing, 2000; House Finch, 150; Green-tailed Towhee, 1; Abert's Towhee, 7; Savannah Sparrow, 4; Lark Sparrow, 32; Junco, 4; Brewer's Sparrow, 1; Gambel's Sparrow, 41; Golden-crowned Sparrow, 1; Song Sparrow, 2. **Total**, 86 species; approximately 213,742 individuals. Bewick's Wren studied at 16 feet with 10× binocular for 5 minutes in willow thicket.—LUTHER C. GOLDMAN, JAMES MURDOCK, FRANK F. CHUMAN.

Sacramento National Wildlife Refuge, Willows, Calif. (and territory to north for a distance of 3 miles—rice fields, marsh and pond areas and willow thickets).—Dec. 26; 9 A.M. to 5 P.M. Raining; brisk southeast wind; temp. 49° at start, 49° at finish. Three observers working in one party. Total party hours in field, 7; total party miles, 68 (by car). Pied-billed Grebe, 2; White Pelican, 53; Farallon Cormorant, 5; Great Blue Heron, 20; American Egret, 12; Snowy Egret, 3; Black-crowned Night Heron, 12; American Bittern, 1; Canada Goose, 24; Lesser Canada Goose, 263; Cackling Goose, 337; White-fronted Goose, 1072; Snow Goose, 453; Ross's Goose, 1; Mallard, 339; Gadwall, 1; Baldpate, 114; Pintail, 2417; Green-winged Teal, 1052; Cinnamon Teal, 2; Shoveller, 124; Ruddy Duck, 27; Red-tailed Hawk, 2; Golden Eagle, 2; Marsh Hawk, 11; Duck Hawk, 1; Sparrow Hawk, 7; California Quail, 17; Ring-necked Pheasant, 95; Coot, 856; Least Sandpiper, 10; Western Sandpiper, 150; Avocet, 10; California Gull, 6; Ring-billed Gull, 1; Mourning Dove, 25; Burrowing Owl, 3; Belted Kingfisher, 3; Red-shafted Flicker, 8; Yellow-billed Magpie, 1; Shrike, 15; English Sparrow, 35; Western Meadowlark, 53; Red-wing, 2033; Brewer's Blackbird, 2; Green-backed Goldfinch, 4; Brown Towhee, 1; Savannah Sparrow, 41; Lark Sparrow, 1; Oregon Junco, 4; Gambel's Sparrow, 875; Song Sparrow, 3. **Total**, 52 species; 10,609 individuals.—PETER J. VAN HUIZEN, HENRIETTA LESMAN, JAMES MURDOCK.

San Diego, Calif. (San Diego Bay to Sweetwater Reservoir, no point more than 15 miles from any other point).—Dec. 26; 7 A.M. to 5 P.M. Clear all day; light wind, southwest; temp. 45° at start, 52° at finish. Observers in 2 separate groups of 2. Total hours afield, 30; total automobile miles, 125; total miles afoot, 7. Common Loon, 4; Horned Grebe, 1; Eared Grebe, 32; Western Grebe, 5; Pied-billed Grebe, 3; White Pelican, 6; Brown Pelican, 120; Farallon Cormorant, 34; Brandt's Cormorant, 3; California Heron, 6; American Egret, 43; Snowy Egret, 39; Louisiana Heron, 1 (breeds in limited numbers along Pacific side of southern half of Lower California, from

FORTY-FIRST CHRISTMAS BIRD CENSUS

Scammon's Lagoon southward; increasing slightly here in midwinter—Huey; Green Heron, 1; Black-crowned Night Heron, 30; American Bittern, 1; Black Brant, 30; Gadwall, 3; Baldpate, 6; Pintail, 856; Green-winged Teal, 27; Canvas-back, 11; Lesser Scaup, 6282; American Golden-eye, 3; Buffle-head, 45; Surf Scoter, 936; Ruddy Duck, 41; Red-breasted Merganser, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Ferruginous Rough-legged Hawk, 1; Marsh Hawk, 2; Duck Hawk, 1; Sparrow Hawk, 16; Valley Quail, 100; Light-footed Rail, 9; Florida Gallinule, 1; Coot, 67; Snowy Plover, 4; Semipalmated Plover, 4; Killdeer, 55; Black-bellied Plover, 207; Ruddy Turnstone, 41; Black Turnstone, 77; Long-billed Curlew, 21; Hudsonian Curlew, 22; Spotted Sandpiper, 2; Willet, 921; Greater Yellow-legs, 9; Knot, 12; Least Sandpiper, 3053; Red-backed Sandpiper, 540; Long-billed Dowitcher, 212; Western Sandpiper, 6620; Marbled Godwit, 1193; Sanderling, 390; Avocet, 101; Glaucous-winged Gull, 236; Western Gull, 356; Herring Gull, 9; California Gull, 1193; Ring-billed Gull, 1102; Short-billed Gull, 1; Bonaparte's Gull, 23; Heermann's Gull, 11; Forster's Tern, 211; Royal Tern, 1; Mourning Dove, 226; Road-runner, 1; Barn Owl, 1; Burrowing Owl, 2; Anna's Hummingbird, 7; Belted Kingfisher, 3; Red-shafted Flicker, 12; California Woodpecker, 2; Cassin's Kingbird, 8; Black Phoebe, 21; Say's Phoebe, 20; Horned Lark, 87; Tree Swallow, 17; California Jay, 9; San Diego Titmouse, 2; Bush-Tit, 55; Wren-Tit, 10; House Wren, 3; San Diego Wren, 6; Tule Wren, 2; Rock Wren, 4; Mockingbird, 44; California Thrasher, 7; Robin, 3; Hermit Thrush, 4; Western Bluebird, 77; Mountain Bluebird, 5; Western Gnatcatcher, 12; Ruby-crowned Kinglet, 9; Pipit, 310; Cedar Waxwing, 70; Phainopepla, 6; California Shrike, 33; Hutton's Vireo, 2; Audubon's Warbler, 504; Tule Yellow-throat, 5; English Sparrow, 90; Western Meadowlark, 81; Red-wing, 175; Brewer's Blackbird, 783; Cowbird, 150; Purple Finch, 17; House Finch, 611; Willow Goldfinch, 3; Green-backed Goldfinch, 36; San Diego Towhee, 4; California Towhee, 32; Savannah Sparrow, 318; Belding's Sparrow, 140; Large-billed Sparrow, 269; Vesper Sparrow, 15; Lark Sparrow, 6; Rufous-crowned Sparrow, 3; Bell's Sparrow, 3; Black-chinned Sparrow, 2; Gambel's Sparrow, 2128; Golden-crowned Sparrow, 15; Fox Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 33. Total, 128 species; about 31,880 individuals.—LAURENCE M. HUEY, FRANK F. GANDER, KARL W. KENYON, RICHARD NEIL.

San Francisco, Calif. (Fisherman's Wharf, Marina, Presidio and entire western half of San Francisco County).—Dec. 29; 8.30 A.M. to 4.30 P.M. Weather cloudy with some light showers; average temp. 56°. Fifteen observers working in 5 parties. Total party hours afield, 36; total party miles, 54 (24 by car, 30 by foot). Red-throated Loon, 8; Horned Grebe, 2; Eared Grebe, 123; Western Grebe, 151; Pied-billed Grebe, 69; White Pelican, 1; Brown Pelican, 26; Farallon Cormorant, 73; Great Blue Heron, 1; Black-crowned Night Heron, 1; American Bittern, 4; Mallard, 706; Gadwall, 8; Baldpate, 47; Pintail, 8; Cinnamon

Teal, 2; Shoveller, 26; Wood Duck, 1; Redhead, 35; Ring-necked Duck, 130; Canvas-back, 128; Lesser Scaup, 137; American Golden-eye, 9; Buffle-head, 9; White-winged Scoter, 1463; Surf Scoter, 497; Ruddy Duck, 195; Red-breasted Merganser, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-bellied Hawk, 3; Sparrow Hawk, 10; California Quail, 207; Virginia Rail, 2; Sora, 1; Florida Gallinule, 2; Coot, 1511; Snowy Plover, 30; Killdeer, 6; Surf-bird, 23; Ruddy Turnstone, 9; Black Turnstone, 36; Wilson's Snipe, 21; Least Sandpiper, 8; Sanderling, 515; Red Phalarope, 2; Glaucous-winged Gull, 1574; Western Gull, 1087; Herring Gull, 19; California Gull, 690; Ring-billed Gull, 143; Short-billed Gull, 987; Bonaparte's Gull, 91; Heermann's Gull, 4; Anna's Hummingbird, 174; Belted Kingfisher, 2; Red-shafted Flicker, 57; Downy Woodpecker, 2; Black Phoebe, 27; California Jay, 4; Chestnut-backed Chickadee, 190; Bush-Tit, 193; Red-breasted Nuthatch, 3; Creeper, 4; Wren-Tit, 3; Winter Wren, 2; Vigors's Wren, 40; Marsh Wren, 7; Robin, 292; Varied Thrush, 109; Hermit Thrush, 48; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 126; Pipit, 151; California Shrike, 1; Hutton's Vireo, 3; Myrtle Warbler, 16; Audubon's Warbler, 463; Townsend's Warbler, 26; Yellow-throat, 39; English Sparrow, 191; Western Meadowlark, 30; Brewer's Blackbird, 1311; Cowbird, 4; Purple Finch, 10; House Finch, 143; Pine Siskin, 45; Willow Goldfinch, 19; Green-backed Goldfinch, 7; Spotted Towhee, 86; Savannah Sparrow, 62; Oregon Junco, 315; White-crowned Sparrow, 1479; Golden-crowned Sparrow, 89; Fox Sparrow, 64; Song Sparrow, 201. Total, 97 species; approximately 16,929 individuals. Cowbirds were part of a larger group regularly observed at Lake Merced (Bolander).—ENID AUSTIN, FRANCES BLAKE, GORDON BOLANDER, ROBERT FAILING, EDWARD GREENBERG, DON HEYNEMAN, JUNEA KELLY, HAROLD KIRKER, FRANCIS MATHWE, EDWIN MCCLINTOCK, WILLIAM MCGILLI, ARTHUR MYER, ALBERT STEPHENS, LAURA STEPHENS (members Audubon Association of the Pacific).

San Jose, Calif. (San Jose to Alviso, to Alum Rock Park; salt marshes, orchards, dry fields, golf course, and canyon creek).—Dec. 22; 8.30 A.M. to 2.30 P.M. Overcast; light wind; temp. 55° to 61°. Nine observers, working in 2 parties. Total party hours afield, 9 (7½ afoot, 1½ by car); total party miles, 25 (5 afoot, 20 by car). Pied-billed Grebe, 2; Great Blue Heron, 5; American Egret, 1; Baldpate, 2; Pintail, 48; Shoveller, 4; American Golden-eye, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 10; California Quail, 50; Killdeer, 3; Black-bellied Plover, 5; Long-billed Curlew, 29; Hudsonian Curlew, 10; Willet, 23; Greater Yellow-legs, 3; Western Sandpiper, 40+; Marbled Godwit, 42; Glaucous-winged Gull, 1; Ring-billed Gull, 83; Forster's Tern, 1; White-throated Swift, 7; Anna's Hummingbird, 1; Red-shafted Flicker, 33; California Woodpecker, 2; Red-breasted Sapsucker, 2; Downy Woodpecker, 2; Nuttall's Woodpecker, 3; Black Phoebe, 4; California Jay, 29; Steller's Jay, 11; Crow, 2; Chestnut-backed Chickadee, 14; Plain Titmouse, 15; Bush-Tit, 10; White-breasted Nut-

AUDUBON MAGAZINE

hatch, 9; Wren-Tit, 16; Dipper, 2; Bewick's Wren, 8; Cañon Wren, 4; Mockingbird, 4; California Thrasher, 12; Robin, 77; Varied Thrush, 6; Hermit Thrush, 9; Western Bluebird, 6; Ruby-crowned Kinglet, 30; Pipit, 42; Cedar Waxwing, 40+; Loggerhead Shrike, 15; Hutton's Vireo, 1; Audubon's Warbler, 41; Townsend's Warbler, 2; English Sparrow, 37; Western Meadowlark, 41; Brewer's Blackbird, 132; Purple Finch, 3; House Finch, 75+; Pine Siskin, 3; Willow Goldfinch, 2; Green-backed Goldfinch, 128; Spotted Towhee, 5; Brown Towhee, 23; Savannah Sparrow, 1; Rufous-crowned Sparrow, 2; Oregon Junco, 28; White-crowned Sparrow, 223; Golden-crowned Sparrow, 27; Song Sparrow, 15. **Total**, 70 species; approximately 1030 individuals.—GAYLE B. PICKWELL, ERNEST MEYERS, GRACE BRUBAKER, EMILY SMITH, ELIZABETH PRICE, HUBERT PRICE, FLORENCE DURFEE, HENRI HILL, EDWARD WELZ.

Ventura, Calif. (Rincon beach, Ventura River bed and mouth, Santa Clara River mouth, Foster Park, Ojai, Camp Comfort, Santa Ana Valley; sandy beaches, rocky river bed, sycamore-willow thickets, tule- and salicornia-bordered river-mouth lagoons and marshes, mud flats, sand dunes, open fields, oak and oak-sycamore foothills, and inland ponds).—Dec. 28; 7 A.M. to 5.15 P.M. Cloudy; moderate breeze; temp. 53° at start, 63° at return. Four observers working in 1 party. Total party hours afield, 10¼ (9 afoot, 1¼ by car); total party miles, 44 (9 afoot, 35 by car). Western Grebe, 130+; Eared Grebe, 3; Brown Pelican, 4; Great Blue Heron, 2; American Egret, 1; Snowy Egret, 7; Mallard, 33; Shoveller, 1; Pintail, 48; Lesser Scaup, 9; Ring-necked Duck, 41; Buffle-head, 1; Surf Scoter, 7; Ruddy Duck, 27; Red-breasted Merganser, 6; Turkey Vulture, 3; White-tailed Kite, 2; Red-tailed Hawk, 2; Red-bellied Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 6; Valley Quail, 25; Coot, 100+; Black-bellied Plover, 1; Killdeer, 22; Snowy Plover, 50+; Wilson's Snipe, 2; Willet, 16; Least Sandpiper, 200+; Marbled Godwit, 2; Sanderling, 200+; Avocet, 3; Glaucous-winged Gull, 27; Western Gull, 20; California Gull, 37; Ring-billed Gull, 267; Mourning Dove, 2; Short-eared Owl, 1; Horned Owl, 1; Burrowing Owl, 1; Anna's Hummingbird, 6; Red-breasted Sapsucker, 3; California Woodpecker, 15; Flicker, 19; Say's Phoebe, 4; Black Phoebe, 5; Horned Lark, 100+; California Jay, 16; Crow, 47; Plain Titmouse, 10; Bush-Tit, 45; Slender-billed Nuthatch, 1; Wren-Tit, 1; Bewick's Wren, 1; Mockingbird, 2; Varied Thrush, 8; Robin, 70; Western Bluebird, 31; Western Gnatcatcher, 1; Ruby-crowned Kinglet, 2; Pipit, 20; California Shrike, 6; Audubon's Warbler, 85; Yellow-throat, 3; Red-wing, 10; Western Meadowlark, 147; Brewer's Blackbird, 550±; Western Tanager, 1; English Sparrow, 20; House Finch, 100±; Green-backed Goldfinch, 2; Spotted Towhee, 12; Brown Towhee, 33; Sierra Junco, 20;

Gambel's and Nuttall's Sparrow, 120; Song Sparrow, 8. **Total**, 77 species; approximately 2860 individuals. An estimated 130 Western Grebes were floating in 2 associated groups about 75 yards off Rincon beach.—HUGH SANDERS, RALPH VORIS, DAVID EAKINS, HAROLD SCOTT (Ventura Jr. College Wildlife Conservation Club).

Hilo, Hawaii (same area as covered previously; Kilauea Iki Crater and Kipuka Puaulu, Hawaii National Park, through adjacent golf course to Kilauea Military Camp; excluding territory between Military Camp and Kilauea Iki; elevation, 2300 feet at floor of Kilauea Iki to 4000 feet at Kipuka Puaulu).—Dec. 22; 5.30 A.M. to 12 M. Clear, no wind; temp. 52° at start, 67° at close. Observers in 2 parties: party I (Kilauea Iki), 7 miles, 6 hours; party II (Kipuka Puaulu and Golf Course), 3 miles, 5 hours. Total, 10 miles, 11 hours on foot; observations from trails only; within 6-mile diameter, combined diameter of 2 areas covered, 3 miles. Hawaiian Hawk (*Buteo solitarius*), 1; Valley Quail (*Lophortyx californica vallicola*), 2 (♂, heard calling); Pheasant (sp.), 1 (♂, heard calling); Pacific Golden Plover (*Pluvialis dominica fulva*), 5; Chinese Turtle Dove (*Spilopelia chinensis*), 4; Hawaiian Owl (*Asio accipitrinus sandvicensis*), 1; Mynah (*Acridotheres tristis*), 19; Apapane (*Himatione sanguinea*), 509; Iiwi (*Vestiaria coccinea*), 5; Amakihi (*Chlorodrepanis virens*), 121; Omao (*Phaenoria obscura*), 7; Elepaio (*Chasiempis sandvicensis*), 26; Pekin Nightingale (*Liothrix lutea*), 154 (est.); English Skylark (*Alauda arvensis*), 14; California House Finch (*Carpodacus mexicanus*), 49 (est.); Ricebird (*Munia nisoria punctata*), 29. **Total**, 16 species; approximately 947 individuals.—HELEN SHIRAS BALDWIN, ETHEL TOMOGUCHI, LESTER N. BALDWIN, CHESTER BEACOW, PAUL H. BALDWIN, SARAH BALDWIN (members of Manuiki Audubon Society).

Oahu, Hawaii.—Dec. 22; 8.30 A.M. to 5.30 P.M. Six observers in 2 parties. Clear; light west wind; temp. 82° at start, 80° at finish. Party I, forest trails, Poamoho-Castle-Summit, elevation 1490-2800-250 ft.; 15 miles, 9 hours; party II, Kahuku ranch, Kahuku, pasture lands along shore, marsh, lake; 3 miles, 3 hours. Total party miles, 18; total party hours, 12. Night Heron, 5; Pintail, 29; Hawaiian Gallinule, 2; Hawaiian Coot, 34; Pacific Golden Plover, 243; Wandering Tattler, 5; Turnstone, 133; Sanderling, 38; Chinese Turtle Dove, 16; Barred Dove (*C. striata tranquilla*) 76; Skylark, 16; Chinese Thrush, 9; Japanese Hill Robin, 5; Oahu Elepaio, 32; Mynah (*A. tristis*), 144; White-eye (*Zosterops*), 23; Iiwi, 4; Apapane, 119; Oahu Amakihi, 13; Oahu Creeper, 8; Ricebird (*M. nisoria*), 75; Cardinal, 2; House Sparrow, 16; House Finch, 9; Brazilian Cardinal, 2. **Total**, 25 species; 1058 individuals.—GRENVILLE HATCH, DAVID WOODSIDE, GEORGE KRALL, CHARLES DUNN, E. H. BRYAN, JR., J. D'ARCY NORTHWOOD (Honolulu Audubon Society).

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